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SSFL ANALYTICAL CHEMISTRY, EPA #CA183

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
94110384

TO: Rocketdyne Environmental Protection
Requester: Brian Sujata D/543-000 T486 586-6043

Report Date: 12/12/94

SAMPLE INFORMATION FOR 94110384

Sample Descrption: Composite Sample B/886 8 Tanks
Requested Analysis: Title 22 Metals
Sampler: M. Halverson Sampler ID#: 112994MH10

Received: 11/29/94
Sampled: 11/29/94

ANALYTE	RESULT	UNITS	MDL	METHOD/SOURCE
Antimony	ND	mg/L	0.032	6010, SW-846
Arsenic	ND	mg/L	0.053	6010, SW-846
Barium	0.13	mg/L	0.002	6010, SW-846
Beryllium	0.0048	mg/L	0.0003	6010, SW-846
Cadmium	ND	mg/L	0.004	6010, SW-846
Chromium	0.031	mg/L	0.007	6010, SW-846
Cobalt	0.013	mg/L	0.007	6010, SW-846
Copper	0.025	mg/L	0.006	6010, SW-846
Lead	ND	mg/L	0.042	6010, SW-846
Mercury	0.018	mg/L	0.0002	7470, SW-846
Molybdenum	ND	mg/L	0.008	6010, SW-846
Nickel	0.016	mg/L	0.015	6010, SW-846
Selenium	ND	mg/L	0.075	6010, SW-846
Silver	ND	mg/L	0.007	6010, SW-846
Thallium	ND	mg/L	0.040	6010, SW-846
Vanadium	0.051	mg/L	0.008	6010, SW-846
Zinc	0.11	mg/L	0.002	6010, SW-846

SPECIFICATION: Title 22
SPECIAL NOTES: Inorganic Persistent and Bioaccumulative Toxic Substances, Sec. 66699

COMMENTS:

APPROVED: A. C. Ham
Rocketdyne SSFL Analytical Chemistry

SIGNED:
Rocketdyne SSFL Analytical Chemistry

BNA01409098

HDMSe00438225

SSFL ANALYTICAL CHEMISTRY, EPA #CA183

Rockwell International, Rocketdyne Div.
(818) 586-5827 D/392 SS21

Log Number
94110384

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SPECIFICATION: Title 22
SPECIAL NOTES: Inorganic Persistent and Bioaccumulative Toxic Substances, Sec. 66699

COMMENTS:

APPROVED: _____
Rocketdyne SSFL Analytical Chemistry

SIGNED: _____
Rocketdyne SSFL Analytical Chemistry

BNA01409099

HDMSe00438226

RUN DATE: 12/9/94

Analyst: by: [illegible]

Calibration Curve Log # 940145

Reviewed by: _____

Reference: MB ALS

Description	Analyte1	Conc1,ppm	Analyte2	Conc2,ppm	Analyte3	Conc3,ppm	Analyte4	Conc4,ppm	Analyte5	Conc5,ppm	Analyte6	Conc6,ppm	Analyte7	Conc7
BLANK	AG6101	-0.00009	AG6102	-0.00644										
AG, QC	AG6101	1.11169	AG6102	1.11907										
BLANK	AG6101	0.00119	AG6102	-0.00644										
ICB	AG6101	0.00056	AG6102	-0.00725										
ICS-3	AG6101	0.91881	AG6102	0.94647										
BLANK	AG6101	0.00177	AG6102	-0.00724										
D-BLK	AG6101	-0.00171	AG6102	-0.00104										
D-BLK-S	AG6101	0.90034	AG6102	0.94055										
BLANK	AG6101	0.00123	AG6102	0.00226										
94110384	AG6101	-0.00016	AG6102	-0.00867										
94110384MS	AG6101	0.91272	AG6102	0.94122										
94110384MSD	AG6101	0.90443	AG6102	0.91972										
BLANK	AG6101	-0.00300	AG6102	-0.00450										
ICB	AG6101	-0.00185	AG6102	-0.00522										
ICS-3	AG6101	0.90358	AG6102	0.91629										
BLANK	AG6101	0.00119	AG6102	-0.00455										
AG, QC	AG6101	1.04968	AG6102	1.08451	→									

BNA01409100

HDMSe00438227

REPORT OF DUPLICATE DATA

Log # 94110384

Analyte	Analysis Type	Initial Result	Dup. Result	Range %	UCL	UWL	LCL	Batch#	Date of Analysis	P/F
Antimony	Sb6010	0.9234	0.9540	3.2617	30.	0.	0.	133	11/30/94	PASS
Arsenic	As6010	0.9482	0.9808	3.385	30.	0.	0.	136	11/30/94	PASS
Barium	Ba6010	1.226	1.18	3.8237	7.884	4.822	0.	393	12/07/94	PASS
Beryllium	Be6010	1.0942	1.0051	8.4906	30.	0.	0.	128	12/07/94	PASS
Cadmium	Cd6010	1.0066	0.9534	5.4231	30.	0.	0.	297	12/07/94	PASS
Chromium	Cr6010	1.0741	1.0564	1.6606	28.98	17.73	0.	340	12/07/94	PASS
Cobalt	Co6010	1.0287	0.9285	10.227	26.27	16.07	0.	327	12/07/94	PASS
Copper	Cu6010	1.0345	1.0275	0.6809	29.46	18.02	0.	338	12/07/94	PASS
Lead	Pb6010	0.9671	0.9314	3.7512	30.	0.	0.	395	12/07/94	PASS
Molybdenum	Mo6010	0.9924	1.0003	0.7828	30.	0.	0.	135	11/30/94	PASS
Nickel	Ni6010	1.1092	1.0627	4.2791	30.	0.	0.	289	12/07/94	PASS
Selenium	Se6010	1.0201	0.9734	4.677	30.	0.	0.	132	12/07/94	PASS
Silver	Ag6010	0.9127	0.9044	0.9124	30.	0.	0.	137	12/09/94	PASS
Thallium	Tl6010	1.0545	0.9312	12.416	30.	0.	0.	134	11/30/94	PASS
Vanadium	V6010	1.1041	1.0528	4.7615	17.61	10.77	0.	291	12/07/94	PASS
Zinc	Zn6010	1.0462	0.9535	9.2602	30.	0.	0.	312	12/07/94	PASS

Analyst Signature: _____ Date: 12/12/94

Reviewed by: _____ Date: _____

BNA01409101

HDMSe00438228

REPORT OF SPIKE DATA **Log # 94110384**

Analyte	Analysis Type	Initial Result	Spike Result	Spike Level	Percent Recovery	UCL	LCL	Batch#	Date of Analysis	P/F
Antimony	Sb6010	0.0121	0.9387	1.	92.658	127.2	56.21	400	11/30/94	PASS
Arsenic	As6010	0.	0.9645	1.	96.454	119.8	72.52	392	11/30/94	PASS
Barium	Ba6010	0.1299	1.203	1.	107.3	130.	70.	410	12/07/94	PASS
Beryllium	Be6010	0.0047	1.0496	1.	104.48	130.	70.	388	12/07/94	PASS
Cadmium	Cd6010	0.	0.9800	1.	98.007	130.	70.	373	12/07/94	PASS
Chromium	Cr6010	0.0306	1.0653	1.	103.46	130.	70.	499	12/07/94	PASS
Cobalt	Co6010	0.0130	0.9786	1.	96.554	130.	70.	402	12/07/94	PASS
Copper	Cu6010	0.0249	1.031	1.	100.61	130.	70.	390	12/07/94	PASS
Lead	Pb6010	0.	0.9492	1.	94.929	130.	70.	375	12/07/94	PASS
Molybdenum	Mo6010	0.	0.9963	1.	99.638	130.	70.	435	11/30/94	PASS
Nickel	Ni6010	0.0156	1.086	1.	107.03	130.	70.	386	12/07/94	PASS
Selenium	Se6010	0.	0.9967	1.	99.679	130.	70.	481	12/07/94	PASS
Silver	Ag6010	0.	0.9085	1.	90.857	117.7	70.92	391	12/09/94	PASS
Thallium	Tl6010	0.	0.9929	1.	99.29	130.	70.	495	11/30/94	PASS
Vanadium	V6010	0.0506	1.0784	1.	102.78	130.	70.	456	12/07/94	PASS
Zinc	Zn6010	0.1092	0.9998	1.	89.064	130.	70.	479	12/07/94	PASS

Analyst Signature: _____ Date: 12/7/94

Reviewed by: _____ Date: _____

BNA01409102

HDMSe00438229

Calibration Standard : BLANK 11:13 AM December 8, 1994
Task name : AB
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (KCounts)	Ag6102 (KCounts)
On Peak 1	2.435	3.875
On Peak 2	2.476	3.835
On Peak 3	2.485	3.711
On Peak 4	2.444	3.823
On Peak 5	2.474	3.808
OffPeak1 1	2.527	3.715
OffPeak2 1	2.408	3.806
OffPeak1 2	2.550	3.781
OffPeak2 2	2.420	3.645
OffPeak1 3	2.537	3.748
OffPeak2 3	2.383	3.796
OffPeak1 4	2.563	3.697
OffPeak2 4	2.359	3.722
OffPeak1 5	2.546	3.693
OffPeak2 5	2.309	3.836
Mean	-0.004	0.032
S.D.	0.022	0.061
% R.S.D.	580.674	191.043

Calibration Standard : NBS-XI-1 11:17 AM December 8, 1994
Task name : AB
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (KCounts)	Ag6102 (KCounts)
On Peak 1	20.069	13.139
On Peak 2	19.237	14.036
On Peak 3	18.777	14.132
On Peak 4	20.418	14.012
On Peak 5	20.466	13.668
OffPeak1 1	2.401	3.906
OffPeak2 1	2.399	3.840
OffPeak1 2	2.525	3.899
OffPeak2 2	2.324	3.833
OffPeak1 3	2.545	3.959
OffPeak2 3	2.317	3.837
OffPeak1 4	2.519	3.814
OffPeak2 4	2.338	3.855
OffPeak1 5	2.367	3.847
OffPeak2 5	2.229	3.807
Mean	17.334	9.648
S.D.	0.781	0.402
% R.S.D.	4.331	3.955

Calibration Standard : NBS-XI-2 11:20 AM December 8, 1994
Task name : AB
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (KCounts)	Ag6102 (KCounts)
On Peak 1	157.441	110.792
On Peak 2	160.316	100.651
On Peak 3	156.763	99.280

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HDMSe00438230

On Peak 5		159.872	101.576
OffPeak1	1	3.638	3.065
OffPeak2	1	2.382	2.992
OffPeak1	2	2.708	3.073
OffPeak2	2	2.433	2.986
OffPeak1	3	2.671	3.077
OffPeak2	3	2.402	2.984
OffPeak1	4	2.665	3.052
OffPeak2	4	2.407	2.983
OffPeak1	5	2.690	3.097
OffPeak2	5	2.414	2.985
Mean		155.906	99.598
S.D.		1.498	4.761
% R.S.D.		0.961	4.780

Least Squares Regression Report
Analyte : Ag6101 Channel : 1
Order : 2nd Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : A6
Internal Standard :

11:48 AM Thursday December 8, 1994

Intercept : 2.143618 04
Coefficient 2 : 5.68853E-02
Coefficient 3 : 4.65300E-05

Std	Concentration	Calc. Conc	% Delta Conc	Kcounts	%RSD Kcounts	I.S. Kcounts	Used in Regression
1	0.0000	-0.0000		-0.004	0.0219		Included
2	1.0000	1.0000	0.0000	17.230	0.7506		Included
3	10.0000	10.0000	-0.0000	155.905	1.4594		Included

Correlation Coefficient : 1.0000000E+00
Root Mean Square : 1.3449046E-10
Standard Error of Estimate : 0.0000000E+00

Least Squares Regression Report
Analyte : Ag6102 Channel : 2
Order : 2nd Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : A6
Internal Standard :

11:49 AM Thursday December 8, 1994

Intercept : -2.88429E-03
Coefficient 2 : 9.05136E-02
Coefficient 3 : 9.95870E-05

Std	Concentration	Calc. Conc	% Delta Conc	Kcounts	%RSD Kcounts	I.S. Kcounts	Used in Regression
1	0.0000	0.0000		0.032	0.0609		Included
2	1.0000	1.0000	0.0000	10.948	0.4082		Included
3	10.0000	10.0000	-0.0000	99.533	4.7608		Included

Correlation Coefficient : 1.0000000E+00
Root Mean Square : 1.3449046E-10
Standard Error of Estimate : 0.0000000E+00

BNA01409105
HDMSe00438232

Sequence File Details 11:53 AM December 8, 1994

Batch Name : A3

Result File : A6

Task Name : A6

Autosampler Control File : A6
Reporting Order : A3

No.	Type	Sample Identity 1	Sample Identity 2	Weight	Value
1	U	*BLANK		1.0000	1.00
2	C	*A3	Quality Control	1.0000	1.00
3	U	*BLANK		1.0000	1.00
4	U	*ICB		1.0000	1.00
5	U	*ICS-3		1.0000	1.00
6	U	*BLANK		1.0000	1.00
7	U	*D-BLK		1.0000	1.00
8	U	*D-BLK-S		1.0000	1.00
9	U	*BLANK		1.0000	1.00
10	U	*94110384		1.0000	1.00
11	U	*94110384MS		1.0000	1.00
12	U	*94110384MSD		1.0000	1.00
13	U	*BLANK		1.0000	1.00
14	U	*ICB		1.0000	1.00
15	U	*ICS-3		1.0000	1.00
16	U	*BLANK		1.0000	1.00
17	C	*A6	Quality Control	1.0000	1.00

BNA01409106

HDMSe00438233

Sequence File Details 11:53 AM December 8, 1994

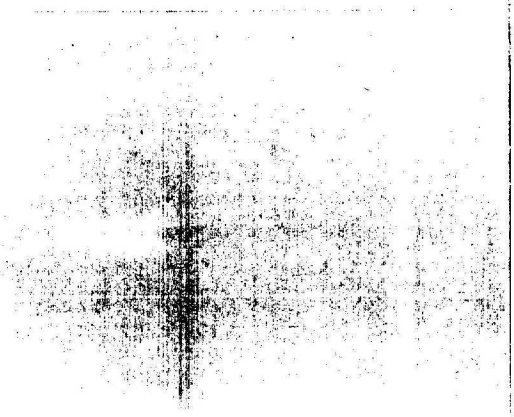
Batch Name : AG

Result File : AG

Task Name : AG

Autosampler Control File : AG
Reporting Order : AG

No.	Type	Sample Identity 1	Sample Identity 2	Weight	Volume
1	U	*BLANK		1.0000	1.00
2	C	*AG	Quality Control	1.0000	1.00
3	U	*BLANK		1.0000	1.00
4	U	*ICB		1.0000	1.00
5	U	*ICS-3		1.0000	1.00
6	U	*BLANK		1.0000	1.00
7	U	*D-BLK		1.0000	1.00
8	U	*D-BLK-S		1.0000	1.00
9	U	*BLANK		1.0000	1.00
10	U	*94110384		1.0000	1.00
11	U	*94110384MS		1.0000	1.00
12	U	*94110384MSD		1.0000	1.00
13	U	*BLANK		1.0000	1.00
14	U	*ICB		1.0000	1.00
15	U	*ICS-3		1.0000	1.00
16	U	*BLANK		1.0000	1.00
17	C	*AG	Quality Control	1.0000	1.00



BNA01409107

HDMSe00438234

Sequence File Details 11:53 AM December 8, 1994

Batch Name : AG

Result File : AG

Task Name : AG

Autosampler Control File : AG
Reporting Order : AG

No.	Type	Sample Identity 1	Sample Identity 2	Weight	Volume
1	U	*BLANK		1.0000	1.00
2	C	*AG	Quality Control	1.0000	1.00
3	U	*BLANK		1.0000	1.00
4	U	*ICB		1.0000	1.00
5	U	*ICS-3		1.0000	1.00
6	U	*BLANK		1.0000	1.00
7	U	*D-BLK		1.0000	1.00
8	U	*D-BLK-S		1.0000	1.00
9	U	*BLANK		1.0000	1.00
10	U	*94110384		1.0000	1.00
11	U	*94110384MS		1.0000	1.00
12	U	*94110384MSD		1.0000	1.00
13	U	*BLANK		1.0000	1.00
14	U	*ICB		1.0000	1.00
15	U	*ICS-3		1.0000	1.00
16	U	*BLANK		1.0000	1.00
17	C	*AG	Quality Control	1.0000	1.00

BNA01409108

HDMSe00438235

DRIFT CORRECTION FACTORS 11:54 AM December 8, 1994
Task Name : AG

Analyte	Initial Low Point	Initial High Point	Current Low Point	Current High Point	Slope	Intercept
Ag6101	-0.004	17.330	-0.004	17.330	1.000E+00	0.000E+00
Ag6102	0.032	10.948	0.032	10.948	1.000E+00	0.000E+00

On-Peak Counts Output 11:58 AM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak Kcounts				
Ag6101	328.083 nm	2.316	2.326	2.313	2.318	2.318
Ag6102	338.314 nm	2.599	2.706	2.668	2.640	2.643

Background Counts Output 11:58 AM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background Kcounts					
Ag6101	328.083 nm	BG1	2.380	2.401	2.359	2.346	2.384
Ag6101	328.083 nm	BG2	2.273	2.272	2.304	2.211	2.268
Ag6102	338.314 nm	BG1	2.808	2.768	2.690	2.661	2.707
Ag6102	338.314 nm	BG2	2.638	2.606	2.605	2.713	2.771

Sample Id 1 : *BLANK Sample Id 2 : - Interference Uncorrected 11:58 AM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.000	-0.006L
S.D.	0.000	0.004
% R.S.D.	292.795	55.330

Sample Id 1 : *BLANK Sample Id 2 : 11:58 AM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.000L	-0.006L
S.D.	0.000	0.004
% R.S.D.	292.795	55.330

On-Peak Counts Output 12:02 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte Wavelength On Peak Kcounts

BNA01409109
HDMSe00438236

Ag6101	328.068 nm	22.262	22.221	22.212	20.700	20.701
Ag6102	338.314 nm	15.213	14.473	15.247	14.371	15.322

Background Counts Output 12:02 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.068 nm	BG1	2.505	2.480	2.519	2.485	2.497
Ag6101	328.068 nm	BG2	2.362	2.320	2.359	2.328	2.342
Ag6102	338.314 nm	BG1	2.661	2.704	2.735	2.749	2.676
Ag6102	338.314 nm	BG2	2.786	2.765	2.829	2.697	2.838

Sample Id 1 : *AG Sample Id 2 : Quality Control - Interference Uncorrected 12:02 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	1.112L	1.119L
S.D.	0.046	0.043
% R.S.D.	4.155	3.842

Sample Id 1 : *AG Sample Id 2 : Quality Control 12:02 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	1.112	1.119
S.D.	0.046	0.043
% R.S.D.	4.155	3.842

On-Peak Counts Output 12:05 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts			
Ag6101	328.068 nm	2.388	2.402	2.383	2.4 4	2.319
Ag6102	338.314 nm	2.630	2.67o	2.619	2.62:	2.673

Background Counts Output 12:05 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.068 nm	BG1	2.365	2.340	2.361	2.382	2.421
Ag6101	328.068 nm	BG2	2.349	2.338	2.332	2.354	2.3+2
Ag6102	338.314 nm	BG1	2.619	2.642	2.655	2.675	2.648
Ag6102	338.314 nm	BG2	2.585	2.674	2.7+7	2.736	2.76e

BNA01409110

HDMSe00438237

Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.001	-0.006
S.D.	0.002	0.003
% R.S.D.	166.042	47.029

Sample Id 1 : *BLANK Sample Id 2 : 12:06 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.001	-0.006L
S.D.	0.002	0.003
% R.S.D.	166.042	47.029

On-Peak Counts Output 12:09 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts			
Ag6101	328.083 nm	2.379	2.420	2.414	2.419	2.381
Ag6102	338.314 nm	2.778	2.798	2.731	2.667	2.692

Background Counts Output 12:09 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	counts				
Ag6101	328.083 nm	BG1	2.474	2.434	2.525	2.490	2.454
Ag6101	328.083 nm	BG2	2.360	2.363	2.372	2.386	2.374
Ag6102	338.314 nm	BG1	2.636	2.684	2.669	2.666	2.675
Ag6102	338.314 nm	BG2	2.702	2.730	2.714	2.766	2.734

Sample Id 1 : *100 Sample Id 2 : Reference Unconnected 12:39 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.001	-0.007L
S.D.	0.001	0.003
% R.S.D.	166.279	47.029

Sample Id 1 : *100 Sample Id 2 : 12:39 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

BNA01409111

HDMSe00438238

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.001	-0.007L
S.D.	0.001	0.005
% R.S.D.	209.979	69.238

On-Peak Counts Output 12:13 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak Kcounts				
Ag6101	328.083 nm	18.424	18.462	18.095	18.459	18.266
Ag6102	338.314 nm	12.903	12.743	12.827	13.037	13.708

Background Counts Output 12:13 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background Kcounts					
Ag6101	328.083 nm	BG1	2.496	2.493	2.484	2.493	2.494
Ag6101	328.083 nm	BG2	2.324	2.306	2.319	2.326	2.205
Ag6102	338.314 nm	BG1	2.752	2.757	2.687	2.671	2.747
Ag6102	338.314 nm	BG2	2.664	2.602	2.663	2.612	2.665

Sample Id 1 : *ICS-3 Sample Id 2 : - Interference Uncorrected 12:13 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.919	0.946L
S.D.	0.009	0.036
% R.S.D.	1.013	3.786

Sample Id 1 : *ICS-3 Sample Id 2 : 12:13 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.919	0.946
S.D.	0.009	0.036
% R.S.D.	1.013	3.786

On-Peak Counts Output 12:17 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak Kcounts				
Ag6101	328.083 nm	2.368	2.415	2.393	2.371	2.365

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HDMSe00438239

Background Counts Output 12:17 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.083 nm	BG1	2.317	2.380	2.331	2.340	2.334
Ag6101	328.083 nm	BG2	2.210	2.242	2.230	2.279	2.221
Ag6102	338.314 nm	BG1	2.795	2.812	2.816	2.785	2.797
Ag6102	338.314 nm	BG2	2.731	2.788	2.756	2.735	2.744

Sample Id 1 : *BLANK Sample Id 2 : - Interference Uncorrected 12:17 PM December 8, 1994
Task name : AG Sequence name.: AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.002	-0.007
S.D.	0.004	0.003
% R.S.D.	216.558	46.062

Sample Id 1 : *BLANK Sample Id 2 : 12:17 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.002	-0.007L
S.D.	0.004	0.003
% R.S.D.	216.558	46.062

On-Peak Counts Output 12:21 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts			
Ag6101	328.083 nm	8.420	8.291	8.416	8.401	8.382
Ag6102	338.314 nm	8.810	8.801	8.899	8.818	8.8[illegible]

Background Counts Output 12:21 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.083 nm	BG1	2.455	2.413	2.447	2.439	2.46[illegible]
Ag6101	328.083 nm	BG2	2.347	2.334	2.388	2.387	2.341
Ag6102	338.314 nm	BG1	2.792	2.764	2.818	2.786	2.788
Ag6102	338.314 nm	BG2	2.593	2.582	2.818	2.803	2.759

Sample Id 1 : *BLK Sample Id 2 : - Interference Uncorrected 12:21 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG

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HDMSe00438240

On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.002	-0.001L
S.D.	0.303	0.010
% R.S.D.	186.774	947.692

Sample Id 1 : *D-BLK Sample Id 2 : 12:21 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.002L	-0.001L
S.D.	0.003	0.010
% R.S.D.	186.774	947.692

On-Peak Counts Output 12:24 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts			
Ag6101	328.083 nm	18.228	18.141	18.298	17.901	17.809
Ag6102	338.314 nm	12.788	13.450	12.845	12.760	13.623

Background Counts Output 12:24 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.083 nm	BG1	3.557	3.553	3.529	3.485	3.571
Ag6101	328.083 nm	BG2	3.351	3.347	3.372	3.322	3.357
Ag6102	338.314 nm	BG1	3.325	3.308	3.346	3.374	3.344
Ag6102	338.314 nm	BG2	3.196	3.197	3.173	3.171	3.242

- Interference Corrected 12:28 P December 8, 1994

Sample Id 1 : *D-BLK-S Sample Id 2 :
Task name : AS Sequence name : AS Result File : AS
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.900L	0.941L
S.D.	0.018	0.038
% R.S.D.	1.969	4.040

12:5 PM December 8, 1994

Sample Id 1 : *D-BLK-S Sample Id 2 :
Task name : AS Sequence name : AS Result File : AS
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101	Ag6102

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HDMSe00438241

Mean	0.000	0.001
S.D.	0.002	0.006
% R.S.D.	1.867	4.040

On-Peak Counts Output 12:28 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts			
Ag6101	328.083 nm	2.393	2.399	2.331	2.351	2.359
Ag6102	338.314 nm	2.724	2.609	2.742	2.649	2.634

Background Counts Output 12:28 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.083 nm	BG1	2.360	2.388	2.333	2.361	2.337
Ag6101	328.083 nm	BG2	2.241	2.227	2.255	2.265	2.300
Ag6102	338.314 nm	BG1	2.672	2.681	2.620	2.658	2.679
Ag6102	338.314 nm	BG2	2.603	2.576	2.550	2.583	2.606

Sample Id 1 : *BLANK Sample Id 2 : - Interference Uncorrected 12:28 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.001	0.002
S.D.	0.003	0.005
% R.S.D.	277.792	232.695

Sample Id 1 : *BLANK Sample Id 2 : 12:28 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.001	0.002
S.D.	0.003	0.005
% R.S.D.	277.792	232.695

On-Peak Counts Output 12:32 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts				
Ag6101	328.083 nm	2.403	2.415	2.333	2.378	2.314	
Ag6102	338.314 nm	2.696	2.788	2.705	2.774	2.644	

BNA01409115
HDMSe00438242

Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength		Background	Kcounts			
Ag6101	328.083 nm	BG1	2.484	2.473	2.403	2.419	2.421
Ag6101	328.083 nm	BG2	2.231	2.226	2.241	2.242	2.251
Ag6102	338.314 nm	BG1	2.689	2.757	2.736	2.799	2.809
Ag6102	338.314 nm	BG2	2.772	2.719	2.778	2.742	2.792

Sample Id 1 : *94110384 Sample Id 2 : - Interference Uncorrected 12:32 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.000	-0.009
S.D.	0.004	0.007
% R.S.D.	2370.834	75.437

Sample Id 1 : *94110384 Sample Id 2 : 12:32 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.000L	-0.009L
S.D.	0.004	0.007
% R.S.D.	2370.834	75.437

On-Peak Counts Output 12:35 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength		On Peak	Kcounts			
Ag6101	328.083 nm		15.185	17.849	18.069	17.489	18.1[illegible]
Ag6102	338.314 nm		15.836	16.787	16.603	17.[illegible]	17.[illegible]

Background Counts Output 12:36 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength		Background	Kcounts			
Ag6101	328.083 nm	BG1	2.618	2.618	2.548	2.585	2.615
Ag6101	328.083 nm	BG2	2.335	2.319	2.369	2.334	2.3[illegible]
Ag6102	338.314 nm	BG1	2.885	2.854	2.836	2.[illegible]	2.[illegible]
Ag6102	338.314 nm	BG2	2.797	2.770	2.748	2.761	2.774

Sample Id 1 : *94110384MS Sample Id 2 : - Interference Uncorrected 12:36 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

BNA01409116
HDMSe00438243

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.913L	0.941L
S.D.	0.031	0.036
% R.S.D.	3.414	3.861

Sample Id 1 : s94110384MS Sample Id 2 : 12:36 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.913	0.941
S.D.	0.031	0.036
% R.S.D.	3.414	3.861

On-Peak Counts Output 12:40 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts			
Ag6101	328.083 nm	17.844	18.048	19.042	17.998	17.943
Ag6102	338.314 nm	12.923	12.994	12.613	12.556	13.243

Background Counts Output 12:40 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.083 nm	BG1	8.814	8.811	8.595	8.557	8.578
Ag6102	338.314 nm	BG2	8.347	8.219	8.274	8.334	8.368
Ag6102	338.314 nm	BG1	8.352	8.341	8.735	8.777	8.735
Ag6102	338.314 nm	BG2	8.713	8.793	8.811	8.894	8.776

Sample Id 1 : s94110384MSD Sample Id 2 : Interference corrected 12:40 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.904	0.930
S.D.	0.029	0.033
% R.S.D.	3.165	3.530

Sample Id 1 : s94110384MSD Sample Id 2 : 12:40 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.904	0.930

BNA01409117

HDMSe00438244

% R.S.D. 3.165 2.830

On-Peak Counts Output 12:43 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts			
Ag6101	328.068 nm	2.393	2.406	2.301	2.417	2.373
Ag6102	338.314 nm	2.808	2.764	2.730	2.766	2.632

Background Counts Output 12:43 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background	Kcounts				
Ag6101	328.083 nm	BG1	2.522	2.460	2.412	2.504	2.478
Ag6101	328.083 nm	BG2	2.403	2.376	2.394	2.366	2.399
Ag6102	338.314 nm	BG1	2.614	2.817	2.819	2.824	2.801
Ag6102	338.314 nm	BG2	2.739	2.701	2.748	2.765	2.764

Sample Id 1 : *BLANK Sample Id 2 : - Interference Uncorrected 12:44 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.003	-0.004
S.D.	0.003	0.006
% R.S.D.	98.117	140.566

Sample Id 1 : *BLANK Sample Id 2 : 12:44 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.003	-0.004
S.D.	0.003	0.006
% R.S.D.	98.117	140.566

On-Peak Counts Output 12:47 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak	Kcounts				
Ag6101	328.068 nm	2.430	2.409	2.376	2.391	2.413	
Ag6102	338.314 nm	2.777	2.688	2.758	2.830	2.749	

Background Counts Output 12:47 PM December 8, 1994
Task name : AG

BNA01409118
HDMSe00438245

On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength		Background	Kcounts			
Ag6101	338.083 nm	BG1	2.519	2.482	2.487	2.507	2.494
Ag6101	338.083 nm	BG2	2.334	2.376	2.365	2.378	2.365
Ag6102	338.314 nm	BG1	2.840	2.832	2.863	2.868	2.801
Ag6102	338.314 nm	BG2	2.740	2.745	2.729	2.761	2.799

Sample Id 1 : *ICB Sample Id 2 : - Interference Uncorrected 12:47 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.002L	-0.005L
S.D.	0.001	0.005
% R.S.D.	64.074	89.849

Sample Id 1 : *ICB Sample Id 2 : 12:47 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	-0.002L	-0.005L
S.D.	0.001	0.005
% R.S.D.	64.074	89.849

On-Peak Counts Output 12:51 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength		On Peak	Kcounts			
Ag6101	338.083 nm		17.884	17.883	17.923	18.701	17.550
Ag6102	338.314 nm		13.643	13.633	13.548	13.771	13.811

Background Counts Output 12:51 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength		Background	Kcounts			
Ag6101	338.083 nm	BG1	2.501	2.473	2.548	2.404	2.56.
Ag6101	338.083 nm	BG2	2.352	2.352	2.350	2.356	2.345
Ag6102	338.314 nm	BG1	2.864	2.837	2.876	2.832	2.872
Ag6102	338.314 nm	BG2	2.733	2.811	2.787	2.81.	2.7..

Sample Id 1 : *ICB-1 Sample Id 2 : - Interference Uncorrected 12:51 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101	Ag6102

BNA01409119

HDMSe00438246

Mean	0.904L	0.918L
S.D.	0.022	0.035
% R.S.D.	2.413	3.845

Sample Id 1 : +ICB-3 Sample Id 2 : 12:51 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	0.904	0.916
S.D.	0.022	0.035
% R.S.D.	2.413	3.845

On-Peak Counts Output 12:55 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak Kcounts				
Ag6101	328.083 nm	2.448	2.409	2.414	2.422	2.409
Ag6102	338.314 nm	2.828	2.777	2.763	2.672	2.792

Background Counts Output 12:55 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background Kcounts					
Ag6101	328.083 nm	BG1	2.503	2.496	2.431	2.452	2.506
Ag6101	328.083 nm	BG2	2.345	2.344	2.334	2.334	2.330
Ag6102	338.314 nm	BG1	2.859	2.834	2.838	2.799	2.859
Ag6102	338.314 nm	BG2	2.740	2.755	2.762	2.732	2.761

Sample Id 1 : +BLANK Sample Id 2 : - Interference Corrected 12:55 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 ppm	Ag6102 ppm
Mean	0.004	-0.009
S.D.	0.031	0.026
% R.S.D.	67.836	285.551

Sample Id 1 : +BLANK Sample Id 2 : 12:55 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 ppm	Ag6102 ppm
Mean	0.001	-0.012
S.D.	0.031	0.028
% R.S.D.	2.136	2.289

BNA01409120

HDMSe00438247

On-Peak Counts Output 12:59 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	On Peak Kcounts				
Ag6101	328.083 nm	19.967	20.499	20.349	21.648	20.168
Ag6102	338.314 nm	15.003	14.262	14.957	14.059	14.683

Background Counts Output 12:59 PM December 8, 1994
Task name : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

Analyte	Wavelength	Background Kcounts					
Ag6101	328.083 nm	BG1	2.520	2.459	2.408	2.394	2.408
Ag6101	328.083 nm	BG2	2.233	2.247	2.224	2.203	2.303
Ag6102	338.314 nm	BG1	2.859	2.882	2.874	2.840	2.789
Ag6102	338.314 nm	BG2	2.602	2.682	2.676	2.648	2.685

Sample Id 1 : *AG Sample Id 2 : Quality Control - Interference Uncorrected 12:59 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	1.050	1.085L
S.D.	0.038	0.039
% R.S.D.	3.659	3.591

Sample Id 1 : *AG Sample Id 2 : Quality Control 12:59 PM December 8, 1994
Task name : AG Sequence name : AG Result File : AG
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 5 Off-Peak Integrations : 5

	Ag6101 (ppm)	Ag6102 (ppm)
Mean	1.050	1.085
S.D.	0.038	0.039
% R.S.D.	3.659	3.591

BNA01409121
HDMSe00438248

RUN DATE: 12/7/94
Analyst: by: [illegible]
Calibration Curve Log # 9401145
Reviewed by: _____
Reference: [illegible]

Description	Analyte1	Conc1,ppm	Analyte2	Conc2,ppm	Analyte3	Conc3,ppm	Analyte4	Conc4,ppm	Analyte5	Conc5,ppm	Analyte6	Conc6,ppm	Analyte7	Conc7
BLANK	BE6172	0.00118	CD6212	-0.00128	CR6242	-0.01148	CU6252	0.00886	NI6471	-0.01277	PB6501	0.01797	ZN6771	0.03024
	BA6161	0.00021	CO6232	-0.00259	V6732	0.00614	BA6162	0.00104	SE6601	0.00285	CA6202	0.01035		
ICSS-1, QC	BE6172	0.52465	CD6212	4.95155	CR6242	0.00393	CU6252	-0.00234	NI6471	-0.00978	PB6501	4.85625	ZN6771	4.79274
	BA6161	0.00293	CO6232	-0.00032	V6732	-0.00817	BA6162	0.00116	SE6601	5.13880	CA6202	0.02573		
ICSS-2, QC	BE6172	0.00238	CD6212	-0.00368	CR6242	-0.00371	CU6252	5.25512	NI6471	0.00444	PB6501	-0.01948	ZN6771	0.01569
	BA6161	5.10294	CO6232	5.25606	V6732	2.58731	BA6162	5.06667	SE6601	0.01485	CA6202	0.02552		
ICSS-4, QC	BE6172	0.00058	CD6212	-0.00551	CR6242	5.31002	CU6252	0.00513	NI6471	5.44388	PB6501	0.02252	ZN6771	0.01534
	BA6161	-0.00180	CO6232	0.00498	V6732	-0.00612	BA6162	-0.00232	SE6601	-0.00457	CA6202	5.24369		
BLANK	BE6172	0.00026	CD6212	-0.00428	CR6242	-0.00104	CU6252	0.00386	NI6471	-0.00625	PB6501	0.01992	ZN6771	-0.00058
	BA6161	-0.00088	CO6232	0.00232	V6732	-0.00209	BA6162	-0.00181	SE6601	0.01656	CA6202	0.24185		
ICB	BE6172	0.00093	CD6212	-0.03119	CR6242	0.00208	CU6252	0.25744	NI6471	0.12545	PB6501	-0.44540	ZN6771	0.03432
	BA6161	0.01831	CO6232	0.01867	V6732	0.04322	BA6162	0.01284	SE6601	0.01028	CA6202	0.00000		
ICS-1	BE6172	0.60467	CD6212	1.03990	CR6242	1.12607	CU6252	0.79044	NI6471	0.66599	PB6501	4.43990	ZN6771	0.97746
	BA6161	0.59590	CO6232	0.49585	V6732	0.59745	BA6162	0.53359	SE6601	1.07195	CA6202	0.00000		
BLANK	BE6172	0.00143	CD6212	-0.00218	CR6242	-0.00148	CU6252	0.00113	NI6471	0.00359	PB6501	-0.01205	ZN6771	0.00054
	BA6161	-0.00197	CO6232	-0.00065	V6732	0.00671	BA6162	-0.00074	SE6601	0.01142	CA6202	0.04764		
D-BLK	BE6172	0.00062	CD6212	-0.00612	CR6242	0.00274	CU6252	0.01277	NI6471	0.00896	PB6501	0.02096	ZN6771	0.02340
	BA6161	0.00018	CO6232	-0.00174	V6732	-0.00425	BA6162	0.00088	SE6601	0.02284	CA6202	0.22946		
DB-S	BE6172	1.17432	CD6212	1.03251	CR6242	1.12800	CU6252	1.08799	NI6471	1.14555	PB6501	0.98109	ZN6771	0.97401
	BA6161	1.07314	CO6232	1.05962	V6732	1.08428	BA6162	1.09284	SE6601	1.08338	CA6202	1.33138		
BLANK	BE6172	0.00028	CD6212	-0.00529	CR6242	-0.00555	CU6252	-0.00230	NI6471	-0.00290	PB6501	0.02806	ZN6771	0.00173
	BA6161	-0.00216	CO6232	0.00051	V6732	0.00295	BA6162	-0.00195	SE6601	0.01028	CA6202	0.02943		
94110384	BE6172	0.00479	CD6212	-0.00066	CR6242	0.03064	CU6252	0.02491	NI6471	0.01565	PB6501	0.00895	ZN6771	0.10923
	BA6161	0.12997	CO6232	0.01308	V6732	0.05066	BA6162	0.12785	SE6601	-0.02798	CA6202	9.89242		
94110384MS	BE6172	1.09419	CD6212	1.00664	CR6242	1.07412	CU6252	1.03450	NI6471	1.10921	PB6501	0.96710	ZN6771	1.04617
	BA6161	1.22601	CO6232	1.02866	V6732	1.10411	BA6162	1.15804	SE6601	1.02010	CA6202	10.59481		
94110384MSD	BE6172	1.00507	CD6212	0.95369	CR6242	1.05643	CU6252	1.02748	NI6471	1.06274	PB6501	0.93149	ZN6771	0.95358
	BA6161	1.18001	CO6232	0.92858	V6732	1.05276	BA6162	1.10717	SE6601	0.97348	CA6202	10.06941		
BLANK	BE6172	0.00134	CD6212	-0.00552	CR6242	0.01411	CU6252	0.01207	NI6471	0.03219	PB6501	0.02420	ZN6771	0.02936
	BA6161	-0.00048	CO6232	0.00025	V6732	0.00574	BA6162	-0.00348	SE6601	-0.00685	CA6202	0.03811		
0360,1:10	BE6172	-0.00237	CD6212	0.01149	CR6242	3.34556	CU6252	2.98293	NI6471	13.05114	PB6501	1.16097	ZN6771	5.92564
	BA6161	0.34897	CO6232	0.19436	V6732	0.04218	BA6162	0.35714	SE6601	-0.06966	CA6202	7.42234		
0360,1:100	BE6172	-0.00023	CD6212	-0.00119	CR6242	0.34568	CU6252	0.31090	NI6471	1.33407	PB6501	0.09339	ZN6771	0.59439
	BA6161	0.03814	CO6232	0.01473	V6732	0.00483	BA6162	0.03658	SE6601	0.02170	CA6202	0.80888		
94120010	BE6172	0.00062	CD6212	-0.00552	CR6242	0.00072	CU6252	0.01520	NI6471	-0.00936	PB6501	0.01100	ZN6771	-0.00142
	BA6161	0.04135	CO6232	0.00168	V6732	0.01472	BA6162	0.04036	SE6601	0.02512	CA6202	186.01221		
BLANK	BE6172	0.00118	CD6212	-0.00323	CR6242	-0.00435	CU6252	0.00243	NI6471	-0.01433	PB6501	0.01906	ZN6771	0.00070
	BA6161	-0.00182	CO6232	-0.00608	V6732	0.00422	BA6162	-0.00316	SE6601	0.01199	CA6202	0.04205		
ICB	BE6172	0.00081	CD6212	-0.02848	CR6242	0.00371	CU6252	0.21580	NI6471	0.08340	PB6501	-0.34667	ZN6771	0.03861
	BA6161	0.01156	CO6232	0.00947	V6732	0.03447	BA6162	0.00612	SE6601	-0.01028	CA6202	0.00000		
ICS-1	BE6172	0.47667	CD6212	0.82555	CR6242	0.90511	CU6252	0.66513	NI6471	0.52721	PB6501	3.71467	ZN6771	0.82716
	BA6161	0.47724	CO6232	0.42738	V6732	0.49455	BA6162	0.45497	SE6601	0.90927	CA6202	0.00000		
BLANK	BE6172	0.00208	CD6212	0.00211	CR6242	0.01142	CU6252	0.00081	NI6471	-0.00166	PB6501	0.03531	ZN6771	0.01407
	BA6161	-0.00250	CO6232	-0.00422	V6732	0.00219	BA6162	-0.00356	SE6601	0.01770	CA6202	0.03013		
ICSS-1, QC	BE6172	0.52056	CD6212	4.67356	CR6242	-0.00446	CU6252	-0.00119	NI6471	-0.01041	PB6501	4.32606	ZN6771	4.39504
	BA6161	-0.00168	CO6232	-0.00309	V6732	0.00181	BA6162	-0.00278	SE6601	4.51468	CA6202	0.04032		
ICSS-2, QC	BE6172	0.00079	CD6212	-0.00266	CR6242	0.01076	CU6252	4.98700	NI6471	0.01051	PB6501	-0.01600	ZN6771	0.01425
	BA6161	4.71514	CO6232	4.80562	V6732	2.37520	BA6162	4.46647	SE6601	0.03597	CA6202	0.06174		
ICSS-4, QC	BE6172	0.00026	CD6212	-0.00503	CR6242	4.86264	CU6252	0.00055	NI6471	5.11043	PB6501	0.00088	ZN6771	0.01478
	BA6161	-0.00234	CO6232	0.00387	V6732	-0.00999	BA6162	-0.00257	SE6601	0.02798	CA6202	4.87336	→	

BNA01409122

REPORT OF DUPLICATE DATA

Log # 94110384

Analyte	Analysis Type	Initial Result	Dup. Result	Range %	UCL	UWL	LCL	Batch#	Date of Analysis	P/F
Antimony	Sb6010	0.9234	0.9540	3.2617	30.	0.	0.	133	11/30/94	PASS
Arsenic	As6010	0.9482	0.9808	3.385	30.	0.	0.	136	11/30/94	PASS
Barium	Ba6010	1.226	1.18	3.8237	7.884	4.822	0.	393	12/07/94	PASS
Beryllium	Be6010	1.0942	1.0051	8.4906	30.	0.	0.	128	12/07/94	PASS
Cadmium	Cd6010	1.0066	0.9534	5.4231	30.	0.	0.	297	12/07/94	PASS
Chromium	Cr6010	1.0741	1.0564	1.6606	28.98	17.73	0.	340	12/07/94	PASS
Cobalt	Co6010	1.0287	0.9285	10.227	26.27	16.07	0.	327	12/07/94	PASS
Copper	Cu6010	1.0345	1.0275	0.6809	29.46	18.02	0.	338	12/07/94	PASS
Lead	Pb6010	0.9671	0.9314	3.7512	30.	0.	0.	395	12/07/94	PASS
Molybdenum	Mo6010	0.9924	1.0003	0.7828	30.	0.	0.	135	11/30/94	PASS
Nickel	Ni6010	1.1092	1.0627	4.2791	30.	0.	0.	289	12/07/94	PASS
Selenium	Se6010	1.0201	0.9734	4.677	30.	0.	0.	132	12/07/94	PASS
Thallium	Tl6010	1.0545	0.9312	12.416	30.	0.	0.	134	11/30/94	PASS
Vanadium	V6010	1.1041	1.0528	4.7615	17.61	10.77	0.	291	12/07/94	PASS
Zinc	Zn6010	1.0462	0.9535	9.2602	30.	0.	0.	312	12/07/94	PASS

Analyst Signature: _____ **Date:** 12/7/94

Reviewed by: _____ **Date:** _____

BNA01409123

HDMSe00438250

REPORT OF SPIKE DATA

Log # 94110384

Analyte	Analysis Type	Initial Result	Spike Result	Spike Level	Percent Recovery	UCL	LCL	Batch#	Date of Analysis	P/F
Antimony	Sb6010	0.0121	0.9387	1.	92.658	127.2	66.21	400	11/30/94	PASS
Arsenic	As6010	0.	0.9645	1.	96.454	119.8	72.52	392	11/30/94	PASS
Barium	Ba6010	0.1299	1.203	1.	107.3	130.	70.	410	12/07/94	PASS
Beryllium	Be6010	0.0047	1.0496	1.	104.48	130.	70.	388	12/07/94	PASS
Cadmium	Cd6010	0.	0.9800	1.	98.007	130.	70.	373	12/07/94	PASS
Chromium	Cr6010	0.0306	1.0653	1.	103.46	130.	70.	499	12/07/94	PASS
Cobalt	Co6010	0.0130	0.9786	1.	96.554	130.	70.	402	12/07/94	PASS
Copper	Cu6010	0.0249	1.031	1.	100.61	130.	70.	390	12/07/94	PASS
Lead	Pb6010	0.	0.9492	1.	94.929	130.	70.	375	12/07/94	PASS
Molybdenum	Mo6010	0.	0.9963	1.	99.638	130.	70.	435	11/30/94	PASS
Nickel	Ni6010	0.0156	1.086	1.	107.03	130.	70.	386	12/07/94	PASS
Selenium	Se6010	0.	0.9967	1.	99.679	130.	70.	481	12/07/94	PASS
Thallium	Tl6010	0.	0.9929	1.	99.29	130.	70.	495	11/30/94	PASS
Vanadium	V6010	0.0506	1.0784	1.	102.78	130.	70.	456	12/07/94	PASS
Zinc	Zn6010	0.1092	0.9998	1.	89.064	130.	70.	479	12/07/94	PASS

Analyst Signature: _____ Date: 12/7/94

Reviewed by: _____ Date: _____

BNA01409124

HDMSe00438251

Sample Identity 1 : *BLANK
Sample Identity 2 :
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Print Date : 8:35 AM December 8, 1994
Analysis Date : 3:48 PM December 7, 1994

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.001L	-0.011L	0.009	-0.013L	0.018	0.030	0.000
S.D.	0.003	0.003	0.007	0.005	0.011	0.008	0.002	0.000
%R.S.D.	46.145	251.694	63.646	54.842	83.541	45.280	5.739	209.377

Analyte	Co6332	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	-0.002L	0.006	0.001	0.003	0.010
S.D.	0.006	0.009	0.002	0.022	0.009
%R.S.D.	235.285	138.896	161.523	774.292	86.864

Sample Identity 1 : *ICSS-1
Sample Identity 2 : Quality Control
Tube Type : Control
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Print Date : 8:36 AM December 8, 1994
Analysis Date : 4:00 PM December 7, 1994

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.525	4.952	0.004	-0.002L	-0.010L	4.856	4.793	0.003
S.D.	0.045	0.030	0.006	0.002	0.004	0.279	0.295	0.000
%R.S.D.	8.525	0.604	142.475	74.149	42.478	5.752	6.145	8.504

Analyte	Co6332	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	-0.000L	-0.003L	0.001	5.139	0.026
S.D.	0.001	0.005	0.002	0.310	0.013
%R.S.D.	137.652	67.192	209.020	6.029	50.044

Sample Identity 1 : *ICSS-2
Sample Identity 2 : Quality Control
Tube Type : Control
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Print Date : 8:36 AM December 8, 1994
Analysis Date : 4:11 PM December 7, 1994

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.012	-0.004L	-0.004L	5.255	0.004	-0.019L	0.016	5.103H
S.D.	0.002	0.002	0.002	0.397	0.006	0.015	0.001	0.168
%R.S.D.	11.016	52.927	58.186	7.549	125.692	75.077	8.193	3.288

Analyte	Co6332	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	5.256	3.587	5.067	0.015	0.026
S.D.	0.381	0.197	0.319	0.014	0.009
%R.S.D.	7.254	7.628	6.302	92.733	34.143

Sample Identity 1 : *ICSS-3

Print Date : 8:36 AM December 8, 1994

BNA01409125
HDMSe00438252

Sample Identity 1 : *ICSB-1 Print Date : 8:35 AM December 8, 1994

Sample Identity 2 : Quality Control Analysis Date : 4:22 PM December 7, 1994
Tube Type : Control
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.006L	5.310	0.005	5.444	0.023	0.015	-0.002
S.D.	0.000	0.003	0.370	0.004	0.384	0.008	0.001	0.001
%R.S.D.	18.753	50.074	6.961	74.966	7.046	36.715	8.410	37.347

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.005	-0.006L	-0.002L	-0.005L	5.244
S.D.	0.004	0.006	0.003	0.016	0.157
%R.S.D.	75.840	100.857	109.280	342.473	2.994

Sample Identity 1 : *BLANK Print Date : 8:36 AM December 8, 1994
Sample Identity 2 : Analysis Date : 4:34 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.000	-0.004L	-0.001L	0.004	-0.006L	0.020	-0.001L	-0.001
S.D.	0.000	0.001	0.001	0.004	0.005	0.006	0.001	0.001
%R.S.D.	58.484	26.979	113.896	94.743	85.899	29.093	109.748	64.384

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.002	-0.002L	-0.002L	0.017	0.242
S.D.	0.006	0.001	0.002	0.004	0.007
%R.S.D.	273.481	65.661	125.387	23.556	3.060

Sample Identity 1 : *ICB Print Date : 8:36 AM December 8, 1994
Sample Identity 2 : Analysis Date : 4:44 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.031L	0.002	0.257	0.125	-0.445L	0.034	0.018
S.D.	0.000	0.002	0.007	0.003	0.002	0.025	0.001	0.000
%R.S.D.	13.737	6.308	351.756	1.296	1.246	5.619	2.932	1.010

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202 M
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.019	0.043	0.013	0.010	0.000
S.D.	0.004	0.005	0.001	0.051	0.000
%R.S.D.	23.834	10.579	7.027	493.779	

Sample Identity 1 : *ICS-1 Print Date : 8:37 AM December 8, 1994
Sample Identity 2 : Analysis Date : 4:55 PM December 7, 1994

BNA01409126

HDMSe00438253

Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Fe6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.605	1.040	1.126	0.790	0.666	4.440	0.977	0.596
S.D.	0.019	0.051	0.038	0.052	0.026	0.092	0.033	0.006
%R.S.D.	3.095	4.923	3.371	6.539	3.855	2.076	3.355	0.993

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202 M
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.475	0.597	0.534	1.072	0.000
S.D.	0.024	0.028	0.024	0.050	0.000
%R.S.D.	4.926	4.672	4.574	4.661	

Sample Identit. 1 : *BLANK Print Date : 8:37 AM December 8, 1994
Sample Identity 2 : Analysis Date : 5:06 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.002L	-0.001L	0.001	0.004	-0.012L	0.001	-0.002
S.D.	0.000	0.002	0.003	0.005	0.005	0.017	0.001	0.000
%R.S.D.	26.815	108.748	187.554	403.847	137.953	143.442	149.638	20.440

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	-0.001L	0.007	-0.001L	0.011	0.048
S.D.	0.002	0.010	0.002	0.020	0.007
%R.S.D.	331.668	147.927	271.827	172.337	14.248

Sample Identity 1 : *0-BLK Print Date : 8:37 AM December 8, 1994
Sample Identity 2 : Analysis Date : 5:18 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.006L	0.003	0.013	0.009	0.021	0.023	0.000
S.D.	0.000	0.001	0.003	0.003	0.002	0.008	0.001	0.000
%R.S.D.	44.930	19.269	117.429	21.056	90.903	38.213	2.697	212.117

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	-0.002L	-0.004L	0.001	0.023	0.229
S.D.	0.004	0.007	0.001	0.010	0.007
%R.S.D.	226.200	154.985	82.194	45.735	2.914

Sample Identity 1 : *08-S Print Date : 8:37 AM December 8, 1994
Sample Identity 2 : Analysis Date : 5:29 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1

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Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	1.174H	1.033	1.128	1.088	1.146	0.981	0.974	1.073H
S.D.	0.007	0.047	0.047	0.055	0.016	0.045	0.033	0.067
%R.S.D.	0.582	4.786	4.157	5.042	1.380	4.558	3.347	6.262

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	1.060	1.084	1.093	1.083	1.331
S.D.	0.013	0.024	0.048	0.023	0.023
%R.S.D.	1.245	2.240	4.383	2.124	1.727

Sample Identity 1 : *BLANK
Sample Identity 2 :
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Print Date : 8:37 AM December 8, 1994
Analysis Date : 5:40 PM December 7, 1994

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.000	-0.005L	-0.006L	-0.002L	-0.003L	0.028	0.002	-0.002
S.D.	0.000	0.002	0.002	0.001	0.007	0.028	0.001	0.001
%R.S.D.	99.541	30.931	39.181	45.849	242.801	100.137	29.938	29.199

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.001	0.003	-0.002L	0.010	0.029
S.D.	0.004	0.004	0.001	0.020	0.010
%R.S.D.	678.818	143.520	38.187	196.682	34.140

Sample Identity 1 : *94110384
Sample Identity 2 :
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Print Date : 8:38 AM December 8, 1994
Analysis Date : 5:51 PM December 7, 1994

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.005	-0.001L	0.031	0.025	0.016	0.009	0.109	0.130
S.D.	0.000	0.001	0.004	0.001	0.003	0.005	0.005	0.001
%R.S.D.	5.429	169.433	13.082	5.407	20.141	52.434	4.198	0.450

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.013	0.051	0.128	-0.028L	9.892
S.D.	0.003	0.004	0.002	0.013	0.074
%R.S.D.	22.377	7.191	1.947	46.359	0.743

Sample Identity 1 : *94110384MS
Sample Identity 2 :
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Print Date : 8:38 AM December 8, 1994
Analysis Date : 6:03 PM December 7, 1994

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	1.074H	1.107	1.074	1.034	1.109	0.967	1.046	1.226H
S.D.	0.084	0.085	0.051	0.043	0.048	0.053	0.048	0.049
%R.S.D.	7.870	5.445	5.866	4.176	4.309	5.487	4.597	4.005

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	1.029	1.194	1.158	1.020	10.595
S.D.	0.018	0.063	0.057	0.021	0.554
%R.S.D.	1.741	5.686	4.895	2.083	5.230

Sample Identity 1 : *94110334M30 Print Date : 8:38 AM December 8, 1994
Sample Identity 2 : Analysis Date : 6:14 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	1.005H	0.954	1.056	1.027	1.063	0.931	0.954	1.180H
S.D.	0.028	0.045	0.052	0.062	0.049	0.028	0.013	0.056
%R.S.D.	2.788	4.715	4.927	6.032	4.631	3.043	1.413	4.772

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.997	1.053	1.107	0.973	10.069
S.D.	0.041	0.044	0.041	0.011	0.611
%R.S.D.	4.363	4.162	3.733	1.112	6.066

Sample Identity 1 : *BLANK Print Date : 8:38 AM December 8, 1994
Sample Identity 2 : Analysis Date : 6:25 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.006L	0.014	0.012	0.032	0.024	0.029	-0.000
S.D.	0.000	0.002	0.005	0.003	0.009	0.021	0.001	0.001
%R.S.D.	10.430	29.398	32.766	28.983	27.587	88.426	3.187	110.317

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.000	0.006	-0.003L	-0.007L	0.038
S.D.	0.004	0.006	0.001	0.030	0.010
%R.S.D.	1766.078	112.958	40.609	440.515	26.734

Sample Identity 1 : *94110360,1:10 Print Date : 8:38 AM December 8, 1994
Sample Identity 2 : Analysis Date : 6:37 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				3.999	13.051	1.161	5.926	0.249

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S.D.	0.000	0.001	0.165	0.129	0.691	0.041	0.286	0.014
%R.S.D.	13.120	8.428	4.935	4.329	5.291	3.532	4.826	3.745

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.194	0.042	0.357	-0.070L	7.422
S.D.	0.009	0.003	0.016	0.014	0.418
%R.S.D.	4.532	7.746	4.489	19.398	5.629

Sample Identity 1 : *94110369,1:100 Print Date : 8:39 AM December 8, 1994
Sample Identity 2 : Analysis Date : 6:48 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	-0.000L	-0.001L	0.346	0.311	1.334	0.093	0.594	0.038
S.D.	0.000	0.002	0.016	0.015	0.025	0.022	0.005	0.001
%R.S.D.	159.771	198.477	4.631	4.895	1.847	23.068	0.923	3.429

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.015	0.005	0.037	0.022	0.809
S.D.	0.002	0.005	0.001	0.019	0.020
%R.S.D.	13.025	111.761	2.198	85.516	2.520

Sample Identity 1 : *94120010 Print Date : 8:39 AM December 8, 1994
Sample Identity 2 : Analysis Date : 6:59 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.006L	0.001	0.015	-0.009L	0.011	-0.001L	0.041
S.D.	0.001	0.002	0.003	0.002	0.007	0.018	0.001	0.002
%R.S.D.	96.614	31.541	356.327	14.603	70.599	162.636	61.915	4.190

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.002	0.015	0.040	0.025	186.012H
S.D.	0.003	0.005	0.001	0.017	5.536
%R.S.D.	192.042	36.990	1.428	69.034	2.976

Sample Identity 1 : *BLANK Print Date : 8:39 AM December 8, 1994
Sample Identity 2 : Analysis Date : 7:10 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.003L	-0.004L	0.002	-0.014L	0.019	0.001	-0.002
S.D.	0.001	0.001	0.004	0.002	0.005	0.025	0.000	0.001
%R.S.D.	62.201	35.284	102.456	98.948	32.329	130.851	44.932	39.764

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HDMSe00438257

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	-0.005L	0.004	-0.003L	0.012	0.042
S.D.	0.003	0.007	0.002	0.026	0.006
%R.S.D.	51.253	150.549	47.891	218.290	14.041

Sample Identity 1 : *ICB Print Date : 8:39 AM December 8, 1994
Sample Identity 2 : Analysis Date : 7:21 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.028L	0.004	0.216	0.083	-0.347L	0.039	0.012
S.D.	0.000	0.003	0.001	0.011	0.006	0.011	0.001	0.000
%R.S.D.	26.344	9.571	17.460	5.084	7.096	3.299	1.975	1.384

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202 M
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.009	0.034	0.006	-0.010L	0.000
S.D.	0.003	0.001	0.001	0.037	0.000
%R.S.D.	29.648	3.647	19.865	363.326	

Sample Identity 1 : *ICS-1 Print Date : 8:39 AM December 8, 1994
Sample Identity 2 : Analysis Date : 7:32 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.477	0.826	0.905	0.665	0.527	3.715	0.827	0.477
S.D.	0.013	0.008	0.016	0.027	0.007	0.242	0.006	0.032
%R.S.D.	2.641	0.972	1.760	4.047	1.340	6.526	0.757	6.697

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202 M
Units	ppm	ppm	ppm	ppm	ppm
Mean	0.427	0.495	0.455	0.909	0.000
S.D.	0.012	0.017	0.026	0.021	0.000
%R.S.D.	2.747	3.425	5.788	2.335	

Sample Identity 1 : *BLANK Print Date : 8:40 AM December 8, 1994
Sample Identity 2 : Analysis Date : 7:43 PM December 7, 1994
Tube Type : Unknown
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.002	0.002	0.011	0.001	-0.002L	0.035	0.014	-0.003L
S.D.	0.004	0.002	0.002	0.005	0.003	0.007	0.000	0.001
%R.S.D.	28.341	73.156	19.828	567.018	199.267	20.004	0.916	25.439

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Units	ppm	ppm	ppm	ppm	ppm
Mean	[illegible]L	0.002	-0.004L	0.018	0.030
S.D.	0.006	0.006	0.003	0.016	0.002
%R.S.D.	142.892	258.923	93.024	90.015	7.210

Sample Identity 1 : *ICBS-1 Print Date : 8:40 AM December 8, 1994
Sample Identity 2 : Quality Control Analysis Date : 7:55 PM December 7, 1994
Tube Type : Control
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.521	4.674	-0.004L	-0.001L	-0.010L	4.326	4.395	-0.002
S.D.	0.030	0.293	0.002	0.003	0.010	0.202	0.138	0.001
%R.S.D.	5.708	6.264	50.333	229.195	91.937	4.680	3.143	43.801

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	-0.003L	0.002	-0.003L	4.515	0.040
S.D.	0.002	0.004	0.002	0.169	0.018
%R.S.D.	53.951	207.008	74.137	3.734	43.426

Sample Identity 1 : *ICSS-2 Print Date : 8:40 AM December 8, 1994
Sample Identity 2 : Quality Control Analysis Date : 8:06 PM December 7, 1994
Tube Type : Control
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.001	-0.003L	0.011	4.987	0.011	-0.016L	0.014	4.715H
S.D.	0.000	0.001	0.009	0.333	0.005	0.021	0.002	0.283
%R.S.D.	51.554	51.339	84.526	6.670	44.976	131.572	13.434	6.003

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm
Mean	4.806	2.375	4.466	0.036	0.062
S.D.	0.317	0.125	0.084	0.021	0.014
%R.S.D.	6.595	5.259	1.881	57.024	22.258

Sample Identity 1 : *ICSS-4 Print Date : 8:40 AM December 8, 1994
Sample Identity 2 : Quality Control Analysis Date : 8:17 PM December 7, 1994
Tube Type : Control
Task : T22_1 Sequence : T22_1 Result File : T22_1
Weight : 1.0000 Volume : 1.00

Analyte	Be6172	Cd6212	Cr6242	Cu6252	Ni6471	Pb6501	Zn6771	Ba6161
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.000	-0.005L	4.863	0.001	5.110	0.001	0.015	-0.002
S.D.	0.000	0.001	0.036	0.001	0.330	0.018	0.001	0.001
%R.S.D.	132.242	17.199	0.750	161.345	6.457	2060.289	3.919	37.700

Analyte	Co6232	V6732	Ba6162	Se6601	Ca6202
Units	ppm	ppm	ppm	ppm	ppm

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[illegible]	[illegible]	-0.010L	-0.003L	0.028	4.873
S.D.	0.095	0.007	0.001	0.020	0.013
%R.S.D.	173.571	55.214	54.473	71.592	0.272

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Sequence File Details 3:36 PM December 7, 1994

Batch Name : T22_1

Result File : T22_1

Task Name : T22_1

Autosampler Control File : RUNOFF1
Reporting Order : T22

No.	Type	Sample Identity 1	Sample Identity 2	Weight	Volume
1	U	*BLANK		1.0000	1.00
2	C	*ICSS-1	Quality Control	1.0000	1.00
3	C	*ICSS-2	Quality Control	1.0000	1.00
4	C	*ICSS-4	Quality Control	1.0000	1.00
5	U	*BLANK		1.0000	1.00
6	U	*ICB		1.0000	1.00
7	U	*ICS-1		1.0000	1.00
8	U	*BLANK		1.0000	1.00
9	U	*S-BLK		1.0000	1.00
10	U	*SB-S		1.0000	1.00
11	U	*BLANK		1.0000	1.00
12	U	*94110384		1.0000	1.00
13	U	*94110384MS		1.0000	1.00
14	U	*94110384MSD		1.0000	1.00
15	U	*BLANK		1.0000	1.00
16	U	*94110360,1:10		1.0000	1.00
17	U	*94110360,1:100		1.0000	1.00
18	U	*94120010		1.0000	1.00
19	U	*BLANK		1.0000	1.00
20	U	*ICB		1.0000	1.00
21	U	*ICS-1		1.0000	1.00
22	U	*BLANK		1.0000	1.00
23	C	*ICSS-1	Quality Control	1.0000	1.00
24	C	*ICSS-2	Quality Control	1.0000	1.00
25	C	*ICSS-4	Quality Control	1.0000	1.00

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DRIFT CORRECTION FACTORS 3:37 PM December 7, 1994

Task Name : T22_1

Analyte	Initial Low Point	Initial High Point	Current Low Point	Current High Point	Slope	Intercept
Se6801	-0.004	4.394	-0.004	4.394	1.000E+00	0.000E+00
Zn6771	-0.001	195.495	-0.001	195.495	1.000E+00	0.000E+00
Pb6501	-0.002	9.883	-0.002	9.883	1.000E+00	0.000E+00
Cd6212	0.017	74.121	0.017	74.121	1.000E+00	0.000E+00
Co6232	-0.005	41.410	-0.005	41.410	1.000E+00	0.000E+00
Ni6471	0.019	25.689	0.019	25.689	1.000E+00	0.000E+00
Ba6162	0.009	101.819	0.009	101.819	1.000E+00	0.000E+00
Cr6242	0.025	75.611	0.025	75.611	1.000E+00	0.000E+00
V6732	0.022	61.106	0.022	61.106	1.000E+00	0.000E+00
Be6172	-0.105	99.984	-0.105	99.984	1.000E+00	0.000E+00
Ca6202	-0.068	27.520	-0.068	27.520	1.000E+00	0.000E+00
Cu6252	0.023	129.764	0.023	129.764	1.000E+00	0.000E+00
Ba6161	0.267	0.000	0.267	0.000	1.000E+00	0.000E+00

On-Peak Counts Output 3:48 PM December 7, 1994

Task name : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak Kcounts			
Be6172	313.063 nm	2.075	2.149	2.060	2.163
Cd6212	226.525 nm	0.837	0.840	0.787	0.808
Cr6242	267.756 nm	1.772	1.731	1.802	1.863
Cu6252	324.773 nm	2.045	2.090	2.021	1.936
Ni6471	231.620 nm	0.905	0.845	0.861	0.883
Pb6501	220.364 nm	0.732	0.746	0.727	0.734
Zn6771	213.878 nm	1.378	1.358	1.314	1.301
Ba6161	455.372 nm	3.355	3.385	3.462	3.436
Co6232	228.643 nm	0.834	0.855	0.800	0.841
V6732	292.420 nm	1.509	1.448	1.503	1.403
Ba6162	233.551 nm	0.934	0.923	0.897	0.932
Se6801	196.103 nm	0.360	0.359	0.375	0.352
Ca6202	317.935 nm	1.590	1.577	1.544	1.540

Background Counts Output 3:48 PM December 7, 1994

Task name : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength		Background Kcounts			
Be6172	313.063 nm	BG1	1.976	1.994	1.931	1.969
Be6172	313.063 nm	BG2	2.139	2.147	2.170	2.156
Cd6212	226.525 nm	BG1	0.803	0.810	0.792	0.801
Cd6212	226.525 nm	BG2	0.828	0.812	0.829	0.809
Cr6242	267.756 nm	BG1	1.836	1.835	1.855	1.850
Cr6242	267.756 nm	BG2	1.850	1.885	1.860	1.862
Cu6252	324.773 nm	BG1	1.867	1.961	1.928	1.881
Cu6252	324.773 nm	BG2	1.838	1.851	1.826	1.938
Ni6471	231.620 nm	BG1	0.893	0.885	0.877	0.881
Ni6471	231.620 nm	BG2	0.894	0.886	0.892	0.877
Pb6501	220.364 nm	BG1	0.722	0.721	0.710	0.718
Pb6501	220.364 nm	BG2	0.719	0.714	0.725	0.725

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Zn6771	213.856 nm	B61	0.705	0.713	0.712	0.706
Zn6771	213.878 nm	B62	0.710	0.683	0.671	0.696
Se6161	185.376 nm	B61	3.007	3.128	3.126	3.117
Se6161	185.392 nm	B62	3.133	3.151	3.148	3.162
Co6238	228.616 nm	B61	0.833	0.858	0.848	0.845
Co6238	228.643 nm	B62	0.850	0.859	0.841	0.852
V6732	292.420 nm	B61	1.373	1.377	1.407	1.387
V6732	292.402 nm	B62	1.372	1.385	1.467	1.467
Ba6162	233.251 nm	B61	0.939	0.945	0.916	0.905
Ba6162	233.551 nm	B62	0.856	0.903	0.859	0.896
Se6601	196.103 nm	B61	0.348	0.368	0.374	0.368
Ca6202	317.935 nm	B61	1.552	1.526	1.569	1.576
Ca6202	317.935 nm	B62	1.657	1.645	1.621	1.675

Sample Id 1 : *BLANK Sample Id 2 : - Interference Uncorrected 3:48 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.001L	-0.011	0.009L	-0.013L	0.018L	0.030L	0.000
S.D.	0.000	0.003	0.007	0.005	0.011	0.008	0.002	0.000
% R.S.D.	40.145	251.694	63.646	54.842	83.541	45.280	5.739	209.377

	Co6238 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	-0.003L	0.006L	0.001L	0.003L	0.010L
S.D.	0.006	0.009	0.002	0.022	0.009
% R.S.D.	215.205	138.896	161.523	774.292	86.864

Sample Id 1 : *BLANK Sample Id 2 : 3:48 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.001L	-0.011L	0.009	-0.013L	0.018	0.030	0.000
S.D.	0.000	0.003	0.007	0.005	0.011	0.008	0.002	0.000
% R.S.D.	40.145	251.694	63.646	54.842	83.541	45.280	5.739	209.377

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	-0.003L	0.006	0.001	0.003	0.010
S.D.	0.006	0.009	0.002	0.022	0.009
% R.S.D.	215.205	138.896	161.523	774.292	86.864

On-Peak Counts Output 3:59 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Kcounts		
Be6172	313.063 nm	54.314	63.307	55.001	54.140
Cd6212	226.525 nm	38.280	38.787	38.379	38.421
Cr6242	267.756 nm	1.840	1.841	1.881	1.782
Cu6252	324.773 nm	1.913	1.966	1.926	1.945
Ni6471	231.620 nm	0.880	0.879	0.901	0.885

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[illegible]	[illegible] nm	93.612	93.856	105.932	98.075

Ba6161	455.372 nm	3.600	3.550	3.539	3.549
Co6232	228.643 nm	0.873	0.868	0.859	0.869
V6732	292.420 nm	1.447	1.412	1.409	1.477
Ba6162	233.551 nm	0.942	0.981	0.966	0.926
Se6601	196.103 nm	2.689	2.412	2.693	2.669
Ca8202	317.935 nm	1.663	1.593	1.612	1.661

Background Counts Output 3:59 PM December 7, 1994
Task name : Bck_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength		Background	Kcounts		
Be6172	313.063 nm	BG1	1.868	1.861	1.847	1.911
Be6172	313.063 nm	BG2	2.333	2.439	2.432	2.493
Cd6226	226.505 nm	BG1	0.854	0.854	0.863	0.855
Cd6226	226.505 nm	BG2	0.828	0.801	0.804	0.826
Cr6242	267.756 nm	BG1	1.783	1.776	1.773	1.818
Cr6242	267.756 nm	BG2	1.768	1.798	1.786	1.770
Cu6252	324.773 nm	BG1	1.844	1.833	1.888	1.958
Cu6252	324.773 nm	BG2	1.991	2.001	1.985	1.997
Ni6471	231.620 nm	BG1	0.895	0.899	0.885	0.898
Ni6471	231.620 nm	BG2	0.904	0.878	0.899	0.874
Pb6501	220.364 nm	BG1	0.718	0.706	0.739	0.726
Pb6501	220.364 nm	BG2	0.742	0.748	0.730	0.713
Zn6771	213.878 nm	BG1	0.835	0.810	0.820	0.798
Zn6771	213.878 nm	BG2	0.772	0.748	0.738	0.734
Ba6161	455.372 nm	BG1	2.996	2.915	2.913	2.906
Ba6161	455.372 nm	BG2	2.991	3.054	2.987	3.025
Co6232	228.643 nm	BG1	0.890	0.863	0.877	0.876
Co6232	228.643 nm	BG2	0.873	0.878	0.867	0.872
V6732	292.420 nm	BG1	1.469	1.446	1.478	1.455
V6732	292.420 nm	BG2	1.456	1.470	1.467	1.454
Ba6162	233.551 nm	BG1	0.950	0.942	0.933	0.957
Ba6162	233.551 nm	BG2	0.916	0.919	0.927	0.922
Se6601	196.103 nm	BG1	0.360	0.355	0.379	0.365
Ca8202	317.935 nm	BG1	1.554	1.603	1.583	1.607
Ca8202	317.935 nm	BG2	1.712	1.650	1.673	1.658

Sample Id 1 : #1009-1 Sample Id 2 : Quality Control - Interference Uncorrected 4:00 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.585	4.952L	0.004L	-0.002	-0.010L	4.856	4.793	0.003
S.D.	0.045	0.030	0.006	0.002	0.004	0.279	0.295	0.000
% R.S.D.	8.526	0.604	142.475	74.149	42.478	5.752	6.145	8.504

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca8202 (ppm)
Mean	-0.004L	-0.006	0.001	5.139	0.026
S.D.	0.031	0.005	0.002	0.310	0.013
% R.S.D.	427.698	87.192	209.020	6.029	50.044

Sample Id 1 : #1008-1 Sample Id 2 : Quality Control 4:00 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1

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Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.525	4.752	0.004	-0.002L	-0.010L	4.856	4.793	0.003
S.D.	0.045	0.030	0.006	0.002	0.004	0.279	0.295	0.000
% R.S.D.	8.583	0.604	142.475	74.149	42.478	5.752	6.145	8.504

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	-0.000L	-0.008L	0.001	5.139	0.026
S.D.	0.001	0.005	0.002	0.310	0.013
% R.S.D.	687.678	67.192	209.020	6.029	50.044

On-Peak Counts Output 4:10 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak Kcounts			
Be6172	313.063 nm	2.149	2.217	2.183	2.197
Cd6212	226.525 nm	0.807	0.823	0.836	0.803
Cr6242	267.756 nm	1.849	1.882	1.850	1.872
Cu6252	324.773 nm	71.658	67.477	66.937	78.055
Ni6471	231.620 nm	0.918	0.938	0.909	0.909
Pb6501	220.364 nm	0.723	0.721	0.726	0.752
Zn6771	213.878 nm	1.082	1.076	1.029	1.037
Ba6161	455.372 nm	557.082	593.686	561.773	553.301
Co6232	228.643 nm	24.402	24.060	21.310	21.709
V6732	292.402 nm	17.967	15.616	17.429	15.876
Ba6162	233.531 nm	49.354	50.230	53.283	56.456
Se6601	196.108 nm	0.359	0.364	0.373	0.362
Ca6202	317.935 nm	1.596	1.613	1.580	1.557

Background Counts Output 4:11 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength		Background Kcounts			
Be6172	313.063 nm	BG1	1.999	1.978	1.990	1.883
Be6172	313.063 nm	BG2	2.060	2.085	2.079	2.074
Cd6212	226.525 nm	BG1	0.813	0.827	0.837	0.804
Cd6212	226.525 nm	BG2	0.842	0.842	0.846	0.817
Cr6242	267.756 nm	BG1	1.875	1.829	1.860	1.860
Cr6242	267.756 nm	BG2	1.920	1.872	1.854	1.860
Cu6252	324.773 nm	BG1	2.091	2.082	2.005	1.957
Cu6252	324.773 nm	BG2	1.952	1.973	1.948	2.054
Ni6471	231.620 nm	BG1	0.915	0.930	0.902	0.912
Ni6471	231.620 nm	BG2	0.880	0.853	0.869	0.868
Pb6501	220.364 nm	BG1	0.776	0.761	0.797	0.772
Pb6501	220.364 nm	BG2	0.705	0.717	0.727	0.734
Zn6771	213.878 nm	BG1	0.724	0.762	0.761	0.731
Zn6771	213.878 nm	BG2	0.711	0.710	0.724	0.692
Ba6161	455.372 nm	BG1	4.661	4.623	4.639	4.595
Ba6161	455.372 nm	BG2	3.849	3.871	3.874	3.829
Co6232	228.643 nm	BG1	0.931	0.936	0.941	0.908
Co6232	228.643 nm	BG2	0.911	0.920	0.904	0.899

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V6732	292.420 nm	B62	1.536	1.521	1.520	1.529
Be6172	313.042 nm	B61	1.109	1.129	1.124	1.131
Ba6162	233.527 nm	B62	1.080	1.067	1.082	1.058
Se6601	196.026 nm	B61	0.369	0.350	0.372	0.358
Ca6202	317.933 nm	B61	1.491	1.491	1.501	1.434
Ca6202	317.933 nm	B62	1.695	1.682	1.663	1.679

Sample Id 1 : *1035-2 Sample Id 2 : Quality Control - Interference Uncorrected 4:11 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.006	-0.004	-0.004	5.255L	0.004L	-0.019	0.016	5.103
S.D.	0.000	0.002	0.002	0.397	0.006	0.015	0.001	0.168
% R.S.D.	11.016	52.927	58.186	7.549	125.692	75.077	8.193	3.288

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	5.256L	2.587L	5.067	0.015	0.026
S.D.	0.381	0.197	0.319	0.014	0.009
% R.S.D.	7.254	7.628	6.302	92.733	34.143

Sample Id 1 : *1035-2 Sample Id 2 : Quality Control 4:11 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.002	-0.004L	-0.004L	5.255	0.004	-0.019L	0.016	5.103H
S.D.	0.000	0.002	0.002	0.397	0.006	0.015	0.001	0.168
% R.S.D.	11.016	52.927	58.186	7.549	125.692	75.077	8.193	3.288

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	5.256	2.587	5.067	0.015	0.026
S.D.	0.381	0.197	0.319	0.014	0.009
% R.S.D.	7.254	7.628	6.302	92.733	34.143

On-Peak Counts Output 4:22 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak Kcounts			
Be6172	313.063 nm	2.059	2.074	2.053	2.078
Cd6212	226.525 nm	0.795	0.823	0.775	0.815
Cr6242	267.756 nm	46.497	41.655	40.595	40.624
Cu6252	324.773 nm	1.991	2.009	1.898	1.998
Ni6471	231.620 nm	14.988	13.314	13.422	14.977
Pb6501	220.354 nm	0.736	0.727	0.742	0.746
Zn6771	213.878 nm	1.079	1.034	1.015	1.033
Ba6161	455.372 nm	3.156	3.134	3.192	3.301
Co6232	228.643 nm	0.856	0.839	0.816	0.834
V6732	292.420 nm	1.521	1.481	1.505	1.453
Be6162	233.527 nm	0.693	0.736	0.932	0.943

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Se6601	196.103 nm	-0.359	0.369	0.373	0.369
Ca6202	317.935 nm	15.794	15.625	15.633	15.531

Background Counts Output 4:22 PM December 7, 1994
Task name : I22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength		Background Counts			
Be6172	313.063 nm	BG1	2.004	1.949	1.957	1.983
Be6172	313.063 nm	BG2	2.214	2.189	2.212	2.151
Cd6212	226.525 nm	BG1	0.834	0.835	0.831	0.837
Cd6212	226.525 nm	BG2	0.820	0.828	0.814	0.829
Cr6242	267.716 nm	BG1	1.939	1.938	1.946	1.952
Cr6242	267.716 nm	BG2	1.904	1.922	1.903	1.854
Cu6252	324.778 nm	BG1	1.936	1.878	1.848	1.882
Cu6252	324.778 nm	BG2	1.927	1.891	1.918	1.861
Ni6471	231.620 nm	BG1	0.860	0.873	0.861	0.874
Ni6471	231.620 nm	BG2	0.866	0.877	0.861	0.844
Pb6501	220.364 nm	BG1	0.713	0.736	0.727	0.707
Pb6501	220.364 nm	BG2	0.723	0.707	0.717	0.714
Zn6771	213.878 nm	BG1	0.738	0.717	0.727	0.729
Zn6771	213.878 nm	BG2	0.711	0.730	0.690	0.706
Ba6161	455.372 nm	BG1	3.103	3.103	3.098	3.140
Ba6161	455.372 nm	BG2	3.162	3.140	3.164	3.120
Cr6232	238.643 nm	BG1	0.834	0.804	0.837	0.815
Cr6232	238.643 nm	BG2	0.823	0.809	0.832	0.815
V6732	292.420 nm	BG1	1.552	1.523	1.525	1.556
V6732	292.420 nm	BG2	1.435	1.456	1.427	1.424
Ba6162	233.581 nm	BG1	0.969	0.957	0.958	0.918
Ba6162	233.581 nm	BG2	0.923	0.942	0.936	0.934
Se6601	196.103 nm	BG1	0.356	0.375	0.374	0.381
Ca6202	317.935 nm	BG1	1.583	1.599	1.593	1.580
Ca6202	317.935 nm	BG2	1.587	1.629	1.614	1.634

Sample Id 1 : *ICSS-4 Sample Id 2 : Quality Control - Interference Uncorrected 4:22 PM December 7, 1994
Task name : I22_1 Sequence name : I22_1 Result File : I22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.006L	5.310L	0.005	5.444	0.023L	0.015	-0.002H
S.D.	0.000	0.003	0.370	0.004	0.384	0.008	0.001	0.001
% R.S.D.	16.755	50.074	6.961	74.966	7.046	36.715	8.410	37.347

	Cr6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.005	-0.006	-0.002	+0.005	5.244
S.D.	0.004	0.006	0.003	0.016	0.157
% R.S.D.	78.846	100.857	109.280	342.473	2.994

Sample Id 1 : *ICSS-4 Sample Id 2 : Quality Control 4:22 PM December 7, 1994
Task name : I22_1 Sequence name : I22_1 Result File : I22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
							0.015	-0.002

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% R.S.D.	10.737	50.074	6.961	74.966	7.046	36.715	8.410	37.347

	Ca6532 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.005	-0.006L	-0.002L	-0.005L	5.244
S.D.	0.004	0.006	0.003	0.016	0.157
% R.S.D.	78.840	100.857	109.280	342.473	2.994

On-Peak Counts Output 4:33 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak Kcounts			
Be6172	313.063 nm	1.969	1.940	1.939	1.968
Cd6212	326.535 nm	0.783	0.783	0.781	0.775
Cr6242	267.756 nm	1.776	1.795	1.795	1.787
Cu6252	324.773 nm	2.002	1.917	1.898	1.903
Ni6471	231.620 nm	0.880	0.866	0.862	0.848
Pb6501	220.364 nm	0.725	0.714	0.712	0.718
Zn6771	213.878 nm	0.668	0.672	0.698	0.683
Ba6161	455.372 nm	3.186	3.132	3.208	3.068
Ca6232	826.643 nm	0.801	0.853	0.819	0.793
V6732	292.429 nm	1.393	1.402	1.392	1.409
Ba6162	233.551 nm	0.864	0.912	0.865	0.891
Se6601	196.103 nm	0.354	0.353	0.357	0.355
Ca6202	317.933 nm	2.113	2.123	2.081	2.086

Background Counts Output 4:33 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	Background	Kcounts			
Be6172	313.063 nm	BG1	1.831	1.834	1.912	1.953
Ba6172	313.063 nm	BG2	2.156	2.146	2.075	2.115
Cd6212	226.525 nm	BG1	0.767	0.773	0.767	0.787
Cd6212	226.525 nm	BG2	0.811	0.824	0.800	0.797
Cr6242	267.756 nm	BG1	1.762	1.765	1.778	1.792
Cr6242	267.756 nm	BG2	1.759	1.740	1.787	1.790
Cu6252	324.773 nm	BG1	1.857	1.810	1.808	1.801
Cu6252	324.773 nm	BG2	1.885	1.910	1.888	1.849
Ni6471	231.620 nm	BG1	0.873	0.888	0.839	0.859
Ni6471	231.620 nm	BG2	0.858	0.866	0.843	0.860
Pb6501	220.364 nm	BG1	0.693	0.709	0.699	0.702
Pb6501	220.364 nm	BG2	0.704	0.697	0.698	0.694
Zn6771	213.878 nm	BG1	0.677	0.673	0.662	0.683
Zn6771	213.878 nm	BG2	0.717	0.719	0.704	0.710
Ba6161	455.372 nm	BG1	2.986	2.898	2.981	2.947
Ba6161	455.372 nm	BG2	2.969	2.977	3.005	3.109
Ca6232	826.643 nm	BG1	0.815	0.812	0.891	0.800
Ca6232	826.643 nm	BG2	0.818	0.806	0.811	0.808
V6732	292.464 nm	BG1	1.371	1.395	1.430	1.431
V6732	292.464 nm	BG2	1.381	1.392	1.362	1.370
Ba6162	233.551 nm	BG1	0.896	0.894	0.919	0.900
Ba6162	233.551 nm	BG2	0.836	0.860	0.893	0.882
Se6601	196.103 nm	BG1	0.358	0.346	0.358	0.351
Ca6202	317.933 nm	BG1	1.502	1.483	1.475	1.474

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Sample Id 1 : BLANK Sample Id 2 : - Interference Uncorrected 4:33 PM December 7, 1994
Task name : T2_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.000	-0.004L	-0.001	0.004	-0.006	0.020	-0.001	-0.001
S.D.	0.000	0.001	0.001	0.004	0.005	0.006	0.001	0.001
% R.S.D.	58.484	26.979	113.896	94.743	85.899	29.093	109.748	64.384

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.002	-0.002L	-0.002L	0.017L	0.242
S.D.	0.006	0.001	0.002	0.004	0.007
% R.S.D.	273.481	65.661	125.387	23.556	3.060

Sample Id 1 : BLANK Sample Id 2 : 4:34 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.000	-0.004L	-0.001L	0.004	-0.006L	0.020	-0.001L	-0.001
S.D.	0.000	0.001	0.001	0.004	0.005	0.006	0.001	0.001
% R.S.D.	58.484	26.979	113.896	94.743	85.899	29.093	109.748	64.384

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.002	-0.002L	-0.002L	0.017	0.242
S.D.	0.006	0.001	0.002	0.004	0.007
% R.S.D.	273.481	65.661	125.387	23.556	3.060

On-Peak Counts Output 4:44 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Kcounts		
Be6172	313.063 nm	1.975	1.993	2.006	2.004
Cd6212	226.525 nm	1.112	1.140	1.140	1.115
Cr6242	767.756 nm	1.913	1.940	2.002	2.034
Cu6252	324.773 nm	5.392	5.403	5.488	5.407
Ni6471	231.660 nm	1.241	1.235	1.236	1.243
Pb6501	220.364 nm	1.274	1.292	1.289	1.332
Zn6771	213.878 nm	1.769	1.740	1.719	1.751
Ba6161	455.379 nm	5.208	5.218	5.171	5.194
Co6232	228.643 nm	0.962	0.946	0.969	0.991
V6732	292.429 nm	1.759	1.811	1.767	1.807
Ba6162	233.551 nm	1.198	1.187	1.186	1.205
Se6601	196.103 nm	0.675	0.640	0.636	0.623
Ca6202	317.935 nm Counter Overflow				

Background Counts Output 4:44 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00

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HDMSe00438269

Analyte	Wavelength		Background	Accounts		
Be6172	313.063 nm	BG1	1.875	1.867	1.860	1.854
Be6172	313.063 nm	BG2	2.072	2.083	2.097	2.073
Cd6212	226.565 nm	BG1	1.737	1.723	1.732	1.716
Cd6212	226.565 nm	BG2	1.024	1.027	1.026	1.041
Cr6242	267.736 nm	BG1	1.918	1.933	1.915	1.895
Cr6242	267.736 nm	BG2	1.915	1.919	1.998	1.955
Cu6252	324.773 nm	BG1	2.107	2.143	2.109	2.106
Cu6252	324.773 nm	BG2	1.879	1.869	1.872	1.865
Ni6471	231.604 nm	BG1	0.913	0.931	0.899	0.916
Ni6471	231.604 nm	BG2	0.909	0.907	0.916	0.911
Pb6501	283.306 nm	BG1	1.021	1.029	1.050	1.048
Pb6501	283.306 nm	BG2	2.605	2.627	2.651	2.638
Zn6771	213.873 nm	BG1	1.063	1.059	1.092	1.071
Zn6771	213.873 nm	BG2	0.977	0.978	0.983	0.989
Ba6161	455.372 nm	BG1	2.923	2.811	2.916	2.904
Ba6161	455.372 nm	BG2	2.944	2.938	2.963	2.942
Co6228	228.642 nm	BG1	0.917	0.888	0.893	0.874
Co6228	228.642 nm	BG2	0.894	0.907	0.882	0.906
V6732	292.402 nm	BG1	1.476	1.479	1.490	1.546
V6732	292.402 nm	BG2	1.477	1.527	1.519	1.554
Ba6162	233.531 nm	BG1	1.068	1.079	1.067	1.052
Ba6162	233.531 nm	BG2	1.028	1.051	1.040	1.038
Se6601	196.043 nm	BG1	0.651	0.644	0.656	0.622

Sample Id 1 : *ICB Sample Id 2 : - Interference Uncorrected 4:44 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.031L	0.002L	0.257	0.125L	-0.445	0.034L	0.018
S.D.	0.000	0.002	0.007	0.003	0.002	0.625	0.001	0.000
% R.S.D.	13.937	6.308	351.756	1.296	1.246	5.619	2.932	1.010

	Co6228 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.019	0.043L	0.013L	0.010	0.000M
S.D.	0.004	0.005	0.001	0.051	
% R.S.D.	23.834	10.579	7.027	493.779	

Sample Id 1 : *ICB Sample Id 2 : 4:44 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.031L	0.002	0.257	0.125	-0.445L	0.034	0.018
S.D.	0.000	0.002	0.007	0.003	0.002	0.625	0.001	0.000
% R.S.D.	13.937	6.308	351.756	1.296	1.246	5.619	2.932	1.010

	Co6228 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.019	0.043	0.013	0.010	0.000M
S.D.	0.004	0.005	0.001	0.051	
% R.S.D.	23.834	10.579	7.027	493.779	

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On-Peak Counts Output 4:54 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak Kcounts			
Be6172	313.063 nm	62.094	64.376	65.755	66.166
Cd6212	226.505 nm	9.588	9.755	9.606	8.853
Cr6242	267.726 nm	10.630	10.589	10.696	10.768
Cu6252	324.773 nm	11.816	12.055	13.181	13.031
Ni6471	231.620 nm	2.500	2.542	2.643	2.597
Pb6501	220.364 nm	6.439	6.250	6.324	6.242
Zn6771	213.978 nm	22.061	21.994	20.841	20.867
Ba6161	455.372 nm	69.470	69.517	68.113	69.083
Co6232	228.643 nm	2.912	2.980	3.012	3.127
V6732	292.420 nm	4.836	5.177	5.186	5.095
Be6162	233.551 nm	6.759	6.223	6.340	6.620
Se6601	196.103 nm	1.130	1.154	1.106	1.148
Ca6203	317.935 nm	Counter Overflow			

Background Counts Output 4:54 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	Background Kcounts				
Be6172	313.063 nm	BG1	1.851	1.834	1.909	1.896
Be6172	313.063 nm	BG2	2.444	2.415	2.427	2.419
Cd6212	226.505 nm	BG1	1.628	1.638	1.641	1.648
Cd6212	226.505 nm	BG2	1.064	1.031	1.052	1.027
Cr6242	267.716 nm	BG1	1.922	1.928	1.897	1.875
Cr6242	267.716 nm	BG2	1.934	1.928	1.934	1.919
Cu6252	324.773 nm	BG1	2.149	2.132	2.168	2.146
Cu6252	324.773 nm	BG2	1.826	1.899	1.885	1.868
Ni6471	231.620 nm	BG1	0.918	0.923	0.908	0.927
Ni6471	231.620 nm	BG2	0.923	0.920	0.923	0.919
Pb6501	220.364 nm	BG1	1.057	1.039	1.048	1.045
Pb6501	220.364 nm	BG2	3.040	3.049	3.026	3.014
Zn6771	213.978 nm	BG1	1.135	1.097	1.128	1.145
Zn6771	213.978 nm	BG2	0.974	0.996	0.994	1.029
Ba6161	455.372 nm	BG1	3.143	3.161	3.169	3.205
Ba6161	455.372 nm	BG2	3.162	3.175	3.117	3.142
Co6232	228.643 nm	BG1	0.906	0.914	0.921	0.891
Co6232	228.643 nm	BG2	0.926	0.922	0.923	0.928
V6732	292.420 nm	BG1	1.605	1.560	1.566	1.587
V6732	292.420 nm	BG2	1.525	1.529	1.540	1.518
Be6162	233.551 nm	BG1	1.098	1.093	1.076	1.075
Be6162	233.551 nm	BG2	1.042	1.054	1.095	1.083
Se6601	196.103 nm	BG1	0.682	0.670	0.660	0.665

Sample Id 1 : #108-1 Sample Id 2 :
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Interference Uncorrected 4:55 PM December 7, 1994

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	2.151	1.040L	1.126	0.790	0.866	4.440L	0.977	0.536
					0.434	0.092	0.033	0.006

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S.D.	[illegible]	0.051	0.038	0.052	0.026	0.092	0.033	0.006
% R.S.D.	3.095	4.923	3.391	6.539	3.855	2.076	3.355	0.993

	Cr6282 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.476	0.597	0.534	1.072	0.000M
S.D.	0.024	0.028	0.024	0.050	
% R.S.D.	4.826	4.672	4.574	4.661	

Sample ID 1 : *108-1 Sample Id 2 : 4:55 PM December 7, 1994
Task name : ICS_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.665	1.040	1.126	0.790	0.666	4.440	0.977	0.596
S.D.	0.019	0.051	0.038	0.052	0.026	0.092	0.033	0.006
% R.S.D.	2.875	4.923	3.391	6.539	3.855	2.076	3.355	0.993

	Cr6282 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.476	0.597	0.534	1.072	0.000M
S.D.	0.024	0.028	0.024	0.050	
% R.S.D.	4.826	4.672	4.574	4.661	

On-Peak Counts Output 5:06 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Kcounts		
Be6172	313.063 nm	2.020	1.936	2.068	1.975
Cd6212	226.525 nm	0.800	0.774	0.789	0.756
Cr6242	267.756 nm	1.732	1.737	1.765	1.714
Cu6252	324.773 nm	1.826	1.738	1.830	1.928
Ni6471	231.620 nm	0.864	0.837	0.861	0.856
Pb6501	220.364 nm	0.686	0.688	0.695	0.723
Zn6771	213.878 nm	0.676	0.662	0.694	0.699
Ba6161	455.372 nm	3.006	2.934	2.928	3.009
Co6232	228.643 nm	0.778	0.789	0.792	0.800
V6732	292.420 nm	1.360	1.470	1.480	1.395
Ba6162	233.551 nm	0.861	0.865	0.903	0.891
Se6601	196.103 nm	0.350	0.353	0.369	0.353
Ca6202	317.935 nm	1.576	1.578	1.580	1.615

Background Counts Output 5:06 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	Background	Kcounts			
Be6172	313.063 nm	BG1	1.839	1.820	1.867	1.840
Be6172	313.063 nm	BG2	2.037	2.089	2.019	2.060
Cd6212	226.525 nm	BG1	0.768	0.750	0.777	0.768
Cd6212	226.525 nm	BG2	0.778	0.784	0.775	0.794
Cr6242	267.756 nm	BG1	1.718	1.714	1.692	1.721
Cr6242	267.756 nm	BG2	1.735	1.722	1.739	1.743

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[illegible]	[illegible] nm	BG1	1.813	1.833	1.821	1.792
Cu6252	324.773 nm	BG2	1.828	1.841	1.853	1.859

Ni6471	[illegible] nm	BG1	0.837	0.820	0.818	0.870
Ni6471	[illegible] nm	BG2	0.803	0.816	0.830	0.827
Pb6501	220.354 nm	BG1	0.721	0.702	0.716	0.703
Pb6501	220.354 nm	BG2	0.720	0.718	0.703	0.715
Zn6771	213.578 nm	BG1	0.657	0.652	0.664	0.657
Zn6771	213.578 nm	BG2	0.673	0.684	0.714	0.673
Ba6161	455.372 nm	BG1	3.063	2.879	2.858	2.849
Ba6161	455.372 nm	BG2	2.903	2.887	2.962	2.953
Cd6222	223.643 nm	BG1	0.819	0.810	0.816	0.798
Cd6232	228.643 nm	BG2	0.813	0.784	0.782	0.781
V6732	276.426 nm	BG1	1.354	1.372	1.358	1.353
V6732	[illegible] nm	BG2	1.386	1.353	1.365	1.404
Se6601	[illegible] nm	BG1	0.931	0.872	0.893	0.883
Se6601	[illegible] nm	BG2	0.851	0.859	0.872	0.859
Be3130	[illegible] nm	BG1	0.353	0.361	0.350	0.358
Ca4226	[illegible] nm	BG1	1.451	1.452	1.471	1.447
Ca4226	317.935 nm	BG2	1.619	1.560	1.621	1.573

Sample Id 1 : [illegible] Sample Id 2 : - Interference Uncorrected 5:06 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	[illegible] (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	[illegible]	-0.002	-0.001	0.001	0.004	-0.012	0.001	-0.002
S.D.	0.000	0.002	0.003	0.005	0.005	0.017	0.001	0.000
% R.S.D.	26.815	108.748	187.554	403.847	137.953	143.442	149.638	20.440

	Cr6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	-0.001	0.007	-0.001	0.011	0.048
S.D.	0.002	0.010	0.002	0.020	0.007
% R.S.D.	351.668	147.927	271.827	172.337	14.248

Sample Id 1 : *BLANK Sample Id 2 : 5:06 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Ba6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.002L	-0.001L	0.001	0.004	-0.012L	0.001	-0.002
S.D.	0.000	0.002	0.003	0.005	0.005	0.017	0.001	0.000
% R.S.D.	26.815	108.748	187.554	403.847	137.953	143.442	149.638	20.440

	Cd6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	-0.001L	0.007	-0.001L	0.011	0.048
S.D.	0.002	0.010	0.002	0.020	0.007
% R.S.D.	351.668	147.927	271.827	172.337	14.248

On-Peak Counts Output 5:17 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Counts

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Be6172	313.063 nm	1.996	2.007	1.961	2.035
Cd6218	228.585 nm	0.771	0.761	0.754	0.774
Cr6242	267.756 nm	1.794	1.820	1.804	1.850
Cu6252	324.778 nm	2.024	2.059	2.061	1.985
Ni6471	231.660 nm	0.872	0.901	0.856	0.862
Pb6501	220.364 nm	0.707	0.703	0.696	0.715
Zn6771	213.878 nm	1.192	1.180	1.172	1.160
Ba6161	455.372 nm	3.318	3.231	3.292	3.220
Co6238	228.643 nm	0.822	0.817	0.804	0.785
V6732	292.464 nm	1.363	1.372	1.397	1.449
Ba6162	233.531 nm	0.903	0.878	0.888	0.904
Se6601	196.108 nm	0.359	0.366	0.369	0.367
Ca6202	317.935 nm	2.057	2.056	2.039	2.018

Background Counts Output 5:17 PM December 7, 1994

Task name : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength		Background Kcounts			
Be6172	313.063 nm	BG1	1.866	1.941	1.935	1.965
Be6172	313.063 nm	BG2	2.151	2.136	2.057	2.052
Cd6218	228.585 nm	BG1	0.760	0.777	0.802	0.777
Cd6218	228.585 nm	BG2	0.817	0.812	0.803	0.810
Cr6242	267.756 nm	BG1	1.752	1.800	1.857	1.738
Cr6242	267.756 nm	BG2	1.725	1.801	1.724	1.781
Cu6252	324.778 nm	BG1	1.839	1.828	1.835	1.835
Cu6252	324.778 nm	BG2	1.855	1.839	1.830	1.851
Ni6471	231.660 nm	BG1	0.828	0.831	0.826	0.809
Ni6471	231.660 nm	BG2	0.832	0.829	0.842	0.851
Pb6501	220.364 nm	BG1	0.694	0.714	0.690	0.678
Pb6501	220.364 nm	BG2	0.678	0.685	0.671	0.675
Zn6771	213.878 nm	BG1	0.732	0.691	0.686	0.674
Zn6771	213.878 nm	BG2	0.666	0.662	0.685	0.683
Ba6161	455.372 nm	BG1	2.937	2.861	2.955	2.839
Ba6161	455.372 nm	BG2	3.080	3.141	3.109	3.084
Co6238	228.643 nm	BG1	0.820	0.810	0.801	0.807
Co6238	228.643 nm	BG2	0.826	0.808	0.837	0.827
V6732	292.464 nm	BG1	1.429	1.429	1.437	1.412
V6732	292.464 nm	BG2	1.442	1.355	1.374	1.338
Ba6162	233.531 nm	BG1	0.890	0.887	0.891	0.887
Ba6162	233.531 nm	BG2	0.871	0.885	0.863	0.870
Se6601	196.108 nm	BG1	0.356	0.375	0.354	0.345
Ca6202	317.935 nm	BG1	1.443	1.487	1.456	1.479
Ca6202	317.935 nm	BG2	1.492	1.512	1.494	1.496

Sample Id 1 : [illegible] Sample Id 2 : [illegible] Interference Uncorrected 5:17 PM December 7, 1994

Task name : T22_1 Sequence name : T22_1 Result File : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6218 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.006L	0.003L	0.013	0.009	0.021L	0.023	0.000
S.D.	0.000	0.001	0.003	0.003	0.008	0.008	0.001	0.000
% R.S.D.	44.934	19.269	117.429	21.056	90.903	38.213	2.697	812.117

	Co6238 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	[illegible]	-0.004	0.001L	0.023	0.283

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S.D.	0.004	0.007	0.001	0.010	0.007
% R.S.D.	266.200	154.985	82.194	45.735	2.914

Sample Id 1 : [illegible] Sample Id 2 : 5:18 PM December 7, 1994

Task name : T22_1 Sequence name : T22_1 Result File : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.001	-0.006L	0.003	0.013	0.009	0.021	0.023	0.000
S.D.	0.000	0.001	0.003	0.003	0.008	0.008	0.001	0.000
% R.S.D.	44.930	19.269	117.429	21.056	90.903	38.213	2.697	212.117

	Co6332 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	-0.005L	-0.004L	0.001	0.023	0.227
S.D.	0.004	0.007	0.001	0.010	0.007
% R.S.D.	286.300	154.985	82.194	45.735	2.914

On-Peak Counts Output 5:28 PM December 7, 1994

Task name : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Kcounts		
Be6172	313.063 nm	118.652	118.046	117.752	119.113
Cd6212	226.515 nm	9.059	9.019	8.946	8.252
Cr6242	267.756 nm	9.900	10.560	10.588	10.673
Cu6252	324.773 nm	15.310	16.685	16.972	16.387
Ni6471	231.600 nm	3.652	3.722	3.642	3.643
Pb6501	220.364 nm	1.647	1.657	1.745	1.673
Zn6771	213.873 nm	20.045	21.179	21.276	21.589
Ba6161	455.372 nm	122.608	119.282	117.750	116.818
Co6232	228.648 nm	5.278	5.300	5.181	5.293
V6732	292.402 nm	7.679	7.765	7.872	8.008
Ba6162	233.551 nm	12.348	12.103	11.320	12.335
Se6601	196.103 nm	0.832	0.838	0.827	0.814
Ca6202	317.933 nm	5.139	5.067	4.995	5.022

Background Counts Output 5:28 PM December 7, 1994

Task name : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	Background	Kcounts			
Be6172	313.063 nm	BG1	1.950	1.950	1.940	1.906
Be6172	313.063 nm	BG2	2.895	2.877	2.862	2.906
Cd6212	226.525 nm	BG1	0.804	0.796	0.791	0.799
Cd6212	226.525 nm	BG2	0.785	0.796	0.799	0.794
Cr6242	267.756 nm	BG1	1.752	1.746	1.757	1.844
Cr6242	267.756 nm	BG2	1.832	1.875	1.867	1.858
Cu6252	324.773 nm	BG1	1.882	1.848	1.867	1.866
Cu6252	324.773 nm	BG2	1.901	1.886	1.857	1.854
Ni6471	231.600 nm	BG1	0.849	0.841	0.823	0.853
Ni6471	231.600 nm	BG2	0.830	0.826	0.834	0.840
Pb6501	220.364 nm	BG1	0.699	0.728	0.715	0.687
[illegible]	[illegible]	BG2	0.717	0.725	0.712	0.710

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Zn6771	213.979 nm	BG1	0.739	0.741	0.716	0.718
Zn6771	213.878 nm	BG2	0.705	0.702	0.687	0.716
Ba6161	455.403 nm	BG1	3.243	3.224	3.254	3.215
Ba6161	455.378 nm	BG2	3.133	3.124	3.087	3.095
Cd6226	226.648 nm	BG1	0.832	0.826	0.822	0.821
Cd6226	226.648 nm	BG2	0.820	0.820	0.843	0.822
V6732	292.420 nm	BG1	1.446	1.508	1.479	1.495
V6732	292.420 nm	BG2	1.428	1.439	1.422	1.458
Be6165	238.531 nm	BG1	0.961	0.977	0.975	0.971
Ba6165	233.551 nm	BG2	0.966	0.949	0.933	0.955
Be6101	196.103 nm	BG1	0.351	0.360	0.357	0.362
Ca6202	317.935 nm	BG1	1.450	1.459	1.458	1.466
Ca6202	317.935 nm	BG2	1.505	1.504	1.495	1.503

Sample Id 1 : [illegible] Sample Id 2 : - Interference Uncorrected 5:29 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	1.174	1.033L	1.128	1.088	1.146	0.981	0.974	1.073
S.D.	0.007	0.049	0.047	0.055	0.016	0.045	0.033	0.067
% R.S.D.	0.582	4.786	4.157	5.042	1.380	4.558	3.347	6.262

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	1.060L	1.084L	1.093	1.083	1.331
S.D.	0.013	0.024	0.048	0.023	0.023
% R.S.D.	1.245	2.240	4.383	2.124	1.727

Sample Id 1 : [illegible] Sample Id 2 : 5:29 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	1.1744	1.033	1.128	1.088	1.146	0.981	0.974	1.073H
S.D.	0.007	0.049	0.047	0.055	0.016	0.045	0.033	0.067
% R.S.D.	0.582	4.786	4.157	5.042	1.380	4.558	3.347	6.262

	Co6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	1.060	1.084	1.093	1.083	1.331
S.D.	0.013	0.024	0.048	0.023	0.023
% R.S.D.	1.245	2.240	4.383	2.124	1.727

On-Peak Counts Output 5:39 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Kcounts		
Be6172	313.043 nm	1.985	1.982	1.959	1.940
Cd6212	226.525 nm	0.783	0.788	0.759	0.780
Cr6242	267.716 nm	1.721	1.710	1.696	1.735
Cu6252	324.754 nm	1.866	1.866	1.863	1.837

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HDMSe00438276

[illegible]	[illegible] nm	[illegible]	[illegible]	[illegible]	[illegible]
Zn6771	213.928 nm	0.701	0.667	0.713	0.705

Ba6161	455.372 nm	2.991	3.095	3.120	3.151
Ca6833	393.643 nm	0.797	0.783	0.804	0.828
V6732	[illegible] nm	1.427	1.433	1.421	1.381
Be6162	233.551 nm	0.862	0.856	0.866	0.874
Se6601	[illegible] nm	0.361	0.343	0.359	0.347
Ca6202	317.933 nm	1.609	1.545	1.569	1.559

Background Counts Output 5:40 PM December 7, 1994
Task name : T22_1
Simple Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength		Background Counts			
Be6173	313.042 nm	BG1	1.860	1.812	1.851	1.912
Be6173	313.042 nm	BG2	2.183	2.159	2.132	2.148
Cd6212	361.598 nm	BG1	0.768	0.794	0.806	0.793
Cd6212	326.535 nm	BG2	0.824	0.799	0.829	0.796
Cr6242	267.716 nm	BG1	1.718	1.744	1.756	1.709
Cr6242	267.716 nm	BG2	1.740	1.723	1.731	1.743
Cu6252	324.772 nm	BG1	1.800	1.804	1.894	1.918
Cu6252	324.773 nm	BG2	1.953	1.892	1.815	1.840
Ni6471	231.626 nm	BG1	0.826	0.784	0.854	0.828
Ni6471	231.603 nm	BG2	0.831	0.814	0.833	0.813
Pb6501	220.354 nm	BG1	0.703	0.676	0.683	0.683
Pb6501	220.354 nm	BG2	0.677	0.684	0.690	0.663
Zn6771	213.878 nm	BG1	0.656	0.656	0.664	0.643
Zn6771	213.878 nm	BG2	0.681	0.671	0.699	0.656
Ba6161	455.372 nm	BG1	3.054	3.019	3.050	2.986
Ba6161	455.372 nm	BG2	3.114	3.079	3.068	3.135
Ca6833	393.643 nm	BG1	0.846	0.843	0.790	0.816
Ca6833	393.643 nm	BG2	0.781	0.814	0.802	0.785
V6732	292.420 nm	BG1	1.315	1.355	1.348	1.357
V6732	292.420 nm	BG2	1.354	1.411	1.428	1.411
Be6162	233.551 nm	BG1	0.892	0.884	0.885	0.892
Be6162	233.551 nm	BG2	0.850	0.862	0.865	0.874
Se6601	196.093 nm	BG1	0.349	0.360	0.357	0.343
Ca6202	317.933 nm	BG1	1.522	1.547	1.512	1.514
Ca6202	317.933 nm	BG2	1.629	1.570	1.589	1.581

Sample Id 1 : KBLANK Sample Id 2 : [illegible] Interference Uncorrected 5:40 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6173 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.0004	-0.005	-0.006	-0.002	[illegible].003	0.028	0.002	-0.0028
S.D.	0.000	0.002	0.002	0.001	[illegible].007	0.028	0.001	0.001
% R.S.D.	69.542	30.931	39.181	45.849	[illegible].801	100.187	29.938	29.199

	Ca6833 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.001	0.003	-0.002	0.010	[illegible].029
S.D.	0.004	0.004	0.001	0.020	[illegible].010
% R.S.D.	676.813	143.520	38.187	196.692	[illegible].140

Sample Id 1 : KBLANK Sample Id 2 : [illegible] 5:40 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1

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HDMSe00438277

Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be3172 (ppm)	Cd3212 (ppm)	Cr8242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	0.000	-0.003L	-0.006L	-0.002L	-0.003L	0.028	0.002	-0.002
S.D.	0.000	0.002	0.002	0.001	0.007	0.028	0.001	0.001
% R.S.D.	69.641	80.931	39.181	45.849	242.801	100.187	29.953	29.199

	Co2382 (ppm)	V5732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.001	0.003	-0.002L	0.010	0.029
S.D.	0.004	0.004	0.001	0.020	0.010
% R.S.D.	578.818	143.520	38.187	196.682	34.140

On-Peak Counts Output 5:51 PM December 7, 1994
Task name : TEST_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Kcounts		
Be3172	313.063 nm	2.567	2.564	2.594	2.625
Cd3212	226.505 nm	0.827	0.825	0.831	0.811
Cr8242	267.726 nm	2.050	1.977	2.007	2.000
Co2382	228.616 nm	2.253	2.231	2.224	2.262
Ni6471	231.620 nm	0.909	0.907	0.907	0.923
Pb6501	220.364 nm	0.730	0.742	0.739	0.744
Zn6771	213.878 nm	3.050	3.011	3.029	2.663
Ba6161	455.372 nm	17.527	17.483	17.637	17.546
Cu6252	224.643 nm	0.847	0.848	0.851	0.873
V5732	292.402 nm	1.692	1.695	1.723	1.671
Ba6162	233.531 nm	2.241	2.191	2.193	2.189
Se6601	196.093 nm	0.356	0.368	0.358	0.365
Ca6202	317.935 nm	28.206	28.819	28.582	28.526

Background Counts Output 5:51 PM December 7, 1994
Task name : TEST_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	Background	Kcounts			
Be3172	313.063 nm	BG1	1.894	1.857	1.892	1.819
Be3172	313.063 nm	BG2	2.362	2.296	2.374	2.407
Cd3212	226.505 nm	BG1	0.807	0.799	0.829	0.826
Cd3212	226.505 nm	BG2	0.804	0.804	0.803	0.824
Cr8242	267.726 nm	BG1	1.714	1.774	1.738	1.734
Cr8242	267.726 nm	BG2	1.765	1.735	1.800	1.742
Cu6252	324.773 nm	BG1	1.833	1.866	1.845	1.907
Cu6252	324.773 nm	BG2	1.869	1.910	1.955	1.893
Ni6471	231.620 nm	BG1	0.843	0.827	0.859	0.845
Ni6471	231.620 nm	BG2	0.874	0.863	0.835	0.879
Pb6501	220.364 nm	BG1	0.704	0.718	0.711	0.699
Pb6501	220.364 nm	BG2	0.767	0.775	0.777	0.776
Zn6771	213.878 nm	BG1	0.704	0.727	0.749	0.712
Zn6771	213.878 nm	BG2	0.685	0.685	0.694	0.693
Ba6161	455.372 nm	BG1	2.918	2.959	2.854	2.954
Ba6161	455.372 nm	BG2	2.991	3.040	3.013	3.022
Cu6252	224.643 nm	BG1	0.810	0.810	0.811	0.810
Cu6252	224.643 nm	BG2	0.809	0.822	0.792	0.808

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HDMSe00438278

[illegible]	[illegible] nm	[illegible]	1.394	1.385	[illegible]	1.395
V6732	292.402 nm	862	1.366	1.379	1.398	1.354
Ba6162	233.551 nm	861	0.899	0.911	0.898	0.922
Ba6162	233.551 nm	862	0.897	0.901	0.890	0.888
Ba6001	196.103 nm	861	0.380	0.376	0.383	0.374
Ca1806	317.933 nm	861	1.531	1.510	1.497	1.513
Ca6202	317.933 nm	862	1.557	1.566	1.549	1.546

Sample Id 2 : - Interference Uncorrected 5:51 PM December 7, 1994

Task name : T22_1 Result File : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

	Ba6172 (ppm)	Cd6212 (ppm)	Cr6342 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	[illegible]	-0.001L	0.031	0.025	0.016	0.009	0.107	0.130
S.D.	[illegible]	0.001	0.004	0.001	0.003	0.005	0.005	0.001
% R.S.D.	5.479	169.486	13.082	5.407	20.141	52.434	4.198	0.459

	Cu6529 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	[illegible]	0.051	0.128	-0.028L	9.892
S.D.	[illegible]	0.004	0.002	0.013	0.074
% R.S.D.	22.377	7.191	1.947	46.359	0.743

Sample Id 2 : 5:51 PM December 7, 1994

Task name : T22_1 Reference name : T22_1 Result File : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

	Ba6172 (ppm)	Cd6212 (ppm)	Cr6342 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	[illegible]	-0.001L	0.031	0.025	0.016	0.009	0.107	0.130
S.D.	[illegible]	0.001	0.004	0.001	0.003	0.005	0.005	0.001
% R.S.D.	5.479	169.486	13.082	5.407	20.141	52.434	4.198	0.459

	Cu6529 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	[illegible]	0.051	0.128	-0.028L	9.892
S.D.	[illegible]	0.004	0.002	0.013	0.074
% R.S.D.	22.377	7.191	1.947	46.359	0.743

On-Peak Counts Output 6:02 PM December 7, 1994

Task name : T22_1

Sample Weight : 1.0000 Solution Volume : 1.00

On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak	Kcounts		
Ba6172	313.063 nm	115.119	104.469	120.438	105.012
Cd6212	226.525 nm	8.820	8.803	8.909	8.870
Cr6342	667.756 nm	10.028	9.728	9.957	10.297
Cu6252	324.773 nm	15.597	15.504	15.312	16.504
Ni6471	231.580 nm	3.658	3.436	3.696	3.643
Pb6501	280.344 nm	1.868	1.671	1.665	1.748
Zn6771	213.876 nm	22.603	23.189	23.245	21.111
Ba6161	455.372 nm	131.597	136.894	142.048	143.488
Cr6282	266.643 nm	5.027	5.179	5.188	5.159
V6732	292.425 nm	7.871	8.334	7.495	8.013
Ba6152	233.551 nm	13.021	13.026	11.840	12.873

BNA01409152

HDMSe00438279

				0.813	0.827	0.806
Ca8302	317.935 nm	29.284	29.322	32.364	31.893	

Background Counts Output 6:02 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength		Background Kcounts			
Be8172	313.063 nm	BG1	2.023	1.944	1.933	1.977
Be8172	313.063 nm	BG2	3.104	3.098	3.118	3.138
Cd8212	228.845 nm	BG1	0.847	0.847	0.851	0.854
Cd8212	228.823 nm	BG2	0.825	0.788	0.838	0.793
Cr8242	267.756 nm	BG1	1.760	1.786	1.769	1.765
Cr8242	267.716 nm	BG2	1.806	1.831	1.855	1.869
Cu8252	224.693 nm	BG1	1.868	1.912	1.865	1.913
Cu8252	224.678 nm	BG2	1.902	1.931	1.871	1.895
Ni8471	231.620 nm	BG1	0.882	0.890	0.875	0.888
Ni8471	231.620 nm	BG2	0.872	0.880	0.854	0.852
Pb8501	220.364 nm	BG1	0.709	0.700	0.707	0.723
Pb8501	220.364 nm	BG2	0.826	0.813	0.822	0.814
Zn8771	213.878 nm	BG1	0.773	0.770	0.749	0.745
Zn8771	213.378 nm	BG2	0.705	0.714	0.706	0.743
Ba8161	455.372 nm	BG1	3.331	3.308	3.319	3.264
Ba8161	455.372 nm	BG2	3.135	3.169	3.170	3.139
Co8238	228.643 nm	BG1	0.827	0.825	0.834	0.849
Co8238	228.643 nm	BG2	0.843	0.825	0.830	0.819
V8732	292.420 nm	BG1	1.462	1.439	1.484	1.467
V8732	292.420 nm	BG2	1.427	1.411	1.455	1.464
Ba8162	233.551 nm	BG1	0.987	0.948	0.955	1.001
Ba8162	233.551 nm	BG2	0.979	0.974	0.950	0.963
Se8601	196.103 nm	BG1	0.381	0.371	0.380	0.372
Ca8 2	317.935 nm	BG1	1.591	1.563	1.611	1.602
Ca8 2	317.935 nm	BG2	1.606	1.557	1.561	1.600

Sample Id 1 : #5411038403 Sample Id 2 :
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

nterference Uncorrected 6:03 PM December 7, 1994

	Be8172 (ppm)	Cd8212 (ppm)	Cr8242 (ppm)	Cu8252 (ppm)	Ni8471 (ppm)	Pb8501 (ppm)	Zn8771 (ppm)	Ba8161 (ppm)
Mean	1.094	1.007L	1.074	1.034	1.109	0.967	1.046	1.228
S.D.	0.086	0.055	0.031	0.043	0.048	0.053	0.048	0.049
% R.S.D.	7.870	5.445	2.866	4.176	4.309	5.487	4.597	4.005

	Co8238 (ppm)	V8732 (ppm)	Ba8162 (ppm)	Se8601 (ppm)	Ca8302 (ppm)
Mean	1.037	1.104	1.158	1.020L	0.595
S.D.	0.018	0.063	0.057	0.021	0.554
% R.S.D.	1.741	5.686	4.895	2.083	5.230

Sample Id 1 : #5411038403 Sample Id 2 :
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

6:03 PM December 7, 1994

	Be8172 (ppm)	Cd8212 (ppm)	Cr8242 (ppm)	Cu8252 (ppm)	Ni8471 (ppm)	Pb8501 (ppm)	Zn8771 (ppm)	Ba8161 (ppm)
Mean	1.094P	1.007	1.074	1.034	1.109	0.967	1.046	1.228A

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HDMSe00438280

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
% R.S.D.	[illegible]	5.445	2.846	4.176	4.309	5.487	4.597	4.005

	Cd6232 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	1.069	1.104	1.158	1.020	10.595
S.D.	0.018	0.060	0.057	0.021	0.554
% R.S.D.	1.741	5.686	4.895	2.083	5.230

On-Peak Counts Output 6:13 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	On Peak Kcounts			
Be3172	313.063 nm	101.358	106.802	102.580	101.598
Cd6212	226.505 nm	8.216	8.404	8.545	7.749
Cr6242	267.756 nm	10.508	9.628	9.782	9.778
Cu6252	324.773 nm	15.008	15.213	14.682	16.282
Ni6471	231.620 nm	3.371	3.346	3.565	3.567
Pb6501	220.364 nm	1.667	1.678	1.645	1.712
Zn6771	213.878 nm	20.545	20.501	21.052	20.452
Ba6161	455.372 nm	141.547	134.850	130.476	127.205
Cd6232	228.643 nm	4.698	4.999	4.649	4.642
V6732	292.464 nm	7.450	7.461	7.957	7.822
Be3172	313.551 nm	12.229	11.809	11.862	12.715
Se6601	196.103 nm	0.804	0.793	0.799	0.796
Ca6202	317.965 nm	27.503	30.725	30.360	27.810

Background Counts Output 6:14 PM December 7, 1994
Task name : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

Analyte	Wavelength	Background	Kcounts			
Be3172	313.063 nm	BG1	2.038	1.981	1.951	2.004
Be3172	313.063 nm	BG2	3.038	3.040	3.032	3.057
Cd6212	226.505 nm	BG1	0.846	0.836	0.828	0.832
Cd6212	226.505 nm	BG2	0.804	0.785	0.796	0.785
Cr6242	267.756 nm	BG1	1.857	1.823	1.854	1.830
Cr6242	267.756 nm	BG2	1.895	1.877	1.898	1.862
Cu6252	324.773 nm	BG1	1.872	1.891	1.888	1.896
Cu6252	324.773 nm	BG2	1.895	1.868	1.899	1.837
Ni6471	231.620 nm	BG1	0.841	0.873	0.828	0.827
Ni6471	231.620 nm	BG2	0.844	0.857	0.840	0.818
Pb6501	220.364 nm	BG1	0.716	0.705	0.709	0.707
Pb6501	220.364 nm	BG2	0.816	0.799	0.806	0.834
Zn6771	213.878 nm	BG1	0.770	0.783	0.777	0.779
Zn6771	213.878 nm	BG2	0.747	0.744	0.734	0.730
Ba6161	455.372 nm	BG1	3.415	3.409	3.369	3.345
Ba6161	455.372 nm	BG2	3.129	3.204	3.299	3.287
Cd6232	228.643 nm	BG1	0.850	0.877	0.868	0.854
Cd6232	228.643 nm	BG2	0.840	0.868	0.843	0.873
V6732	292.464 nm	BG1	1.520	1.551	1.534	1.454
V6732	292.464 nm	BG2	1.427	1.453	1.461	1.491
Ba6162	233.551 nm	BG1	0.949	0.949	0.923	0.947
Ba6162	233.551 nm	BG2	0.931	0.940	0.971	0.913
Se6601	196.103 nm	BG1	0.376	0.373	0.362	0.385
Ca6202	317.965 nm	BG1	1.584	1.596	1.602	1.537

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Ca6203	317.935 nm	BG1	1.584	1.596	1.602	1.537
Ca6203	317.935 nm	BG2	1.573	1.497	1.541	1.575

Sample Id 1 : 9941106384MSD Sample Id 2 : Interference Uncorrected 6:14 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	1.0034	0.954	1.056	1.027	1.063	0.931	0.954	1.160H
S.D.	0.023	0.045	0.052	0.062	0.049	0.028	0.013	0.056
% R.S.D.	2.332	4.715	4.927	6.032	4.631	3.043	1.413	4.772

	Co6332 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.979	1.053	1.107	0.973	10.069
S.D.	0.041	0.044	0.041	0.011	0.611
% R.S.D.	4.185	4.162	3.733	1.112	6.066

Sample Id 1 : 9941106384MSD Sample Id 2 : 6:14 PM December 7, 1994
Task name : T22_1 Sequence name : T22_1 Result File : T22_1
Sample Weight : 1.0000 Solution Volume : 1.00
On-Peak Integrations : 4 Off-Peak Integrations : 4

	Be6172 (ppm)	Cd6212 (ppm)	Cr6242 (ppm)	Cu6252 (ppm)	Ni6471 (ppm)	Pb6501 (ppm)	Zn6771 (ppm)	Ba6161 (ppm)
Mean	1.0034	0.954	1.056	1.027	1.063	0.931	0.954	1.160H
S.D.	0.023	0.045	0.052	0.062	0.049	0.028	0.013	0.056
% R.S.D.	2.332	4.715	4.927	6.032	4.631	3.043	1.413	4.772

	Co6332 (ppm)	V6732 (ppm)	Ba6162 (ppm)	Se6601 (ppm)	Ca6202 (ppm)
Mean	0.979	1.053	1.107	0.973	10.069
S.D.	0.041	0.044	0.041	0.011	0.611
% R.S.D.	4.185	4.162	3.733	1.112	6.066

Default Sample Output 6:25 PM December 7, 1994

BNA01409155
HDMSe00438282

RUN DATE: 3/1/94

Analyst: by: [illegible]

Reviewed by: _____

Calibration Curve Log # 940134

Reference: MB-ALS10 p

Description	Analyte1	Conc1,ppm	Analyte2	Conc2,ppm	Analyte3	Conc3,ppm	Analyte4	Conc4,ppm	Analyte5	Conc5,ppm	Analyte6	Conc6,ppm	Analyte7	Conc7
BLANK	SB6582	0.00521	TL6701	-0.06022	MO6432	-0.00162	AS6131	0.00041	AS6132	0.01253	MG6411	-0.00352	MG6412	0.01194
ICSS-3, QC	SB6582	0.02266	TL6701	-0.01381	MO6432	5.11273	AS6131	5.16043	AS6132	5.07965	MG6411	0.01269	MG6412	-0.04300
ICSS-5, QC	SB6582	5.36199	TL6701	5.48334	MO6432	-0.00030	AS6131	-0.01596	AS6132	0.02156	MG6411	0.00000	MG6412	5.00301
BLANK	SB6582	0.02703	TL6701	-0.01115	MO6432	-0.00226	AS6131	0.00957	AS6132	0.01002	MG6411	-0.00343	MG6412	-0.02388
ICB	SB6582	0.03013	TL6701	-0.03704	MO6432	0.00235	AS6131	-0.60310	AS6132	0.02550	MG6411	0.00000	MG6412	81.38285
ICS-1	SB6582	0.03495	TL6701	1.01217	MO6432	1.02028	AS6131	0.37263	AS6132	1.11185	MG6411	0.00000	MG6412	81.76907
BLANK	SB6582	0.02230	TL6701	-0.06233	MO6432	0.00116	AS6131	-0.00745	AS6132	0.02288	MG6411	0.04930	MG6412	0.05499
D-BLK	SB6582	0.01072	TL6701	0.01592	MO6432	0.00196	AS6131	-0.00790	AS6132	0.00617	MG6411	0.03123	MG6412	0.03182
D-BLK-S	SB6582	1.04177	TL6701	1.07107	MO6432	1.02784	AS6131	0.97752	AS6132	1.06632	MG6411	1.08437	MG6412	1.05098
BLANK	SB6582	0.01503	TL6701	-0.01536	MO6432	0.00226	AS6131	-0.01398	AS6132	0.01628	MG6411	-0.00545	MG6412	0.01665
94110227	SB6582	0.02466	TL6701	-0.03373	MO6432	0.00133	AS6131	0.02099	AS6132	0.02474	MG6411	0.00000	MG6412	15.01427
94110231	SB6582	0.02874	TL6701	-0.01034	MO6432	-0.00268	AS6131	-0.04024	AS6132	0.02169	MG6411	0.00000	MG6412	14.17942
94110241	SB6582	0.00127	TL6701	-0.05948	MO6432	0.00278	AS6131	-0.01329	AS6132	0.00464	MG6411	0.00000	MG6412	13.95782
94110241MS	SB6582	1.07905	TL6701	1.03525	MO6432	1.08901	AS6131	1.04569	AS6132	1.10953	MG6411	0.00000	MG6412	15.06587
94110241MSD	SB6582	1.07222	TL6701	0.98476	MO6432	1.01682	AS6131	0.96158	AS6132	1.03635	MG6411	0.00000	MG6412	14.83016
94110250	SB6582	0.01925	TL6701	-0.01119	MO6432	0.00016	AS6131	0.01347	AS6132	0.02460	MG6411	0.00000	MG6412	25.65741
BLANK	SB6582	0.02091	TL6701	0.00077	MO6432	-0.00844	AS6131	-0.00537	AS6132	-0.00706	MG6411	-0.00128	MG6412	0.03260
ICSS-3, QC	SB6582	0.01971	TL6701	-0.04635	MO6432	5.05179	AS6131	5.18172	AS6132	5.36404	MG6411	0.01312	MG6412	-0.01311
ICSS-5, QC	SB6582	5.38884	TL6701	5.45668	MO6432	-0.00960	AS6131	-0.01050	AS6132	0.00277	MG6411	0.00000	MG6412	4.90697
BLANK	SB6582	0.03243	TL6701	-0.02614	MO6432	-0.00522	AS6131	-0.03549	AS6132	0.01182	MG6411	-0.00254	MG6412	0.01182
D-BLK	SB6582	0.01799	TL6701	-0.00103	MO6432	-0.00471	AS6131	-0.03126	AS6132	0.03426	MG6411	0.18291	MG6412	0.16495
D-BLK-S	SB6582	0.99337	TL6701	0.96150	MO6432	0.97024	AS6131	0.96097	AS6132	1.04542	MG6411	1.38475	MG6412	1.36402
BLANK	SB6582	0.00728	TL6701	-0.03904	MO6432	0.00197	AS6131	0.00415	AS6132	0.00541	MG6411	0.12837	MG6412	0.15323
94110301	SB6582	0.01852	TL6701	-0.02117	MO6432	0.02728	AS6131	-0.00027	AS6132	0.10451	MG6411	0.00000	MG6412	105.8114
94110302	SB6582	0.02106	TL6701	-0.02209	MO6432	0.01515	AS6131	-0.01209	AS6132	0.06358	MG6411	0.00000	MG6412	95.87782
94110303	SB6582	0.03902	TL6701	-0.04659	MO6432	0.00935	AS6131	-0.00578	AS6132	0.06715	MG6411	0.00000	MG6412	120.7338
94110304	SB6582	0.03058	TL6701	-0.03781	MO6432	0.00661	AS6131	-0.03718	AS6132	0.06767	MG6411	0.00000	MG6412	81.39210
94110305	SB6582	0.04082	TL6701	-0.02766	MO6432	0.01051	AS6131	-0.00307	AS6132	0.09929	MG6411	0.00000	MG6412	103.2746
94110306	SB6582	0.03524	TL6701	-0.02693	MO6432	0.00843	AS6131	-0.11739	AS6132	0.05961	MG6411	0.00000	MG6412	108.5506
94110307	SB6582	0.02508	TL6701	-0.03519	MO6432	0.01675	AS6131	-0.02337	AS6132	0.08361	MG6411	0.00000	MG6412	95.15371
94110308	SB6582	0.03013	TL6701	-0.02562	MO6432	0.00407	AS6131	0.01141	AS6132	0.07315	MG6411	0.00000	MG6412	69.99116
94110309	SB6582	0.03561	TL6701	-0.02574	MO6432	0.00679	AS6131	-0.02568	AS6132	0.10839	MG6411	0.00000	MG6412	87.25313
94110311	SB6582	0.02497	TL6701	-0.03500	MO6432	0.00509	AS6131	-0.00156	AS6132	0.06563	MG6411	0.00000	MG6412	82.43144
94110312	SB6582	0.02060	TL6701	-0.03665	MO6432	0.03307	AS6131	-0.00810	AS6132	0.05722	MG6411	0.00000	MG6412	113.9413
94110312MS	SB6582	0.27404	TL6701	0.86001	MO6432	1.00443	AS6131	0.98790	AS6132	1.09748	MG6411	0.00000	MG6412	95.98476
94110312MSD	SB6582	0.33631	TL6701	0.89315	MO6432	0.90404	AS6131	0.95125	AS6132	1.05524	MG6411	0.00000	MG6412	109.9494
BLANK	SB6582	0.02339	TL6701	-0.02445	MO6432	-0.00480	AS6131	-0.02941	AS6132	0.01766	MG6411	0.02354	MG6412	-0.00071
ICSS-3, QC	SB6582	0.00572	TL6701	-0.04161	MO6432	5.43941	AS6131	5.78855	AS6132	5.51193	MG6411	0.02545	MG6412	-0.03808
ICSS-5, QC	SB6582	5.15714	TL6701	5.85918	MO6432	0.00216	AS6131	-0.01718	AS6132	0.01212	MG6411	0.00000	MG6412	4.85422
BLANK	SB6582	0.02002	TL6701	-0.03012	MO6432	-0.00360	AS6131	-0.01809	AS6132	0.02029	MG6411	0.00483	MG6412	0.03302
94110313	SB6582	0.04321	TL6701	-0.01805	MO6432	0.01396	AS6131	-0.03672	AS6132	0.11568	MG6411	0.00000	MG6412	111.5559
94110313MS	SB6582	0.16673	TL6701	0.93793	MO6432	0.98050	AS6131	0.95083	AS6132	1.07217	MG6411	0.00000	MG6412	109.9519
94110313MSD	SB6582	0.08989	TL6701	0.82878	MO6432	0.85988	AS6131	0.92482	AS6132	1.01466	MG6411	0.00000	MG6412	98.53811
94110319	SB6582	0.02378	TL6701	-0.04931	MO6432	0.00757	AS6131	-0.11200	AS6132	0.06810	MG6411	0.00000	MG6412	32.51742
94110320	SB6582	0.02883	TL6701	-0.03040	MO6432	0.00932	AS6131	-0.07298	AS6132	0.05251	MG6411	0.00000	MG6412	19.48375
94110321	SB6582	0.03570	TL6701	-0.00337	MO6432	0.01783	AS6131	-0.05180	AS6132	0.08441	MG6411	0.00000	MG6412	56.95521
94110323	SB6582	0.03086	TL6701	-0.01809	MO6432	0.00212	AS6131	-0.06033	AS6132	0.05270	MG6411	0.00000	MG6412	17.36103
94110338	SB6582	0.03333	TL6701	-0.00134	MO6432	0.01939	AS6131	-0.02200	AS6132	0.09261	MG6411	0.00000	MG6412	75.26317
94110339	SB6582	0.03503	TL6701	-0.01039	MO6432	0.00714	AS6131	-0.08325	AS6132	0.04499	MG6411	0.00000	MG6412	23.10054
94110340	SB6582	0.02967	TL6701	-0.00317	MO6432	0.00901	AS6131	-0.11762	AS6132	0.07367	MG6411	0.00000	MG6412	27.62026
94110341	SB6582	0.02690	TL6701	-0.03718	MO6432	0.01194	AS6131	-0.02643	AS6132	0.04453	MG6411	0.00000	MG6412	103.2146
94110360	SB6582	1.86742	TL6701	-0.02405	MO6432	7.10150	AS6131	0.03313	AS6132	0.31655	MG6411	0.00000	MG6412	20.72873
BLANK	SB6582	0.02509	TL6701	-0.04259	MO6432	0.00308	AS6131	0.00570	AS6132	0.02112	MG6411	0.01430	MG6412	0.01345
ICSS-3, QC	SB6582	0.02923	TL6701	-0.03586	MO6432	5.16065	AS6131	5.32108	AS6132	5.56424	MG6411	0.02198	MG6412	-0.01939
ICSS-5, QC	SB6582	5.28460	TL6701	5.31836	MO6432	-0.00585	AS6131	-0.00746	AS6132	0.03133	MG6411	0.00000	MG6412	5.07699
BLANK	SB6582	0.03926	TL6701	-0.02956	MO6432	-0.00776	AS6131	-0.02957	AS6132	0.02128	MG6411	0.00591	MG6412	0.00906
D-BLK	SB6582	0.02832	TL6701	-0.05694	MO6432	-0.00074	AS6131	-0.02133	AS6132	0.01434	MG6411	0.02795	MG6412	0.02903
D-BLK-S	SB6582	1.01561	TL6701	1.01818	MO6432	0.94526	AS6131	0.93775	AS6132	1.02582	MG6411	0.91697	MG6412	0.99296

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BLANK	SB6582	0.01376	TL6701	-0.00476	MO6432	-0.00347	AS6131	-0.01927	AS6132	0.00922	MG6411	0.00534	MG6412	0.02126	
94110384	**SB6582**	**0.01219**	**TL6701**	**-0.01728**	**MO6432**	**0.00582**	**AS6131**	**-0.04744**	AS6132	0.02284	MG6411	0.00000	MG6412	5.24885	
94110384MS	**SB6582**	**0.92346**	**TL6701**	**0.93126**	**MO6432**	**0.99248**	**AS6131**	**0.94822**	AS6132	1.00961	MG6411	0.00000	MG6412	5.94191	
94110384MSD	**SB6582**	**0.95408**	**TL6701**	**1.05454**	**MO6432**	**1.00028**	**AS6131**	**0.98087**	AS6132	1.08075	MG6411	0.00000	MG6412	6.10269	
BLANK	SB6582	0.00886	TL6701	-0.02760	MO6432	-0.00343	AS6131	-0.03008	AS6132	0.01920	MG6411	0.00022	MG6412	-0.00214	
ICB	SB6582	0.03641	TL6701	-0.03387	MO6432	-0.01646	AS6131	-0.57292	AS6132	-0.02090	MG6411	0.00000	MG6412	97.83074	
ICS-1	SB6582	0.04124	TL6701	0.89291	MO6432	0.48636	AS6131	0.55579	AS6132	1.05729	MG6411	0.01071	MG6412	0.05630	
BLANK	SB6582	0.03608	TL6701	-0.01208	MO6432	-0.00245	AS6131	-0.00153	AS6132	0.01228	MG6411	-0.00573	MG6412	-0.00297	
ICS-1	AS6132	0.92624	TL6701	0.74697	AS6131	0.13580	MO6432	0.82995	SB6582	0.04851	MG6412	108.66658	MG6411	0.00000	
BLANK	AS6132	0.00068	TL6701	-0.03863	AS6131	-0.01685	MO6432	-0.00476	SB6582	0.02169	MG6412	0.14313	MG6411	0.11920	
ICSS-3	AS6132	5.07285	TL6701	-0.04406	AS6131	4.98757	MO6432	4.47265	SB6582	0.01200	MG6412	-0.00568	MG6411	0.01951	
ICSS-5	AS6132	0.02884	TL6701	4.76447	AS6131	-0.00155	MO6432	-0.00067	SB6582	4.82509	MG6412	4.92295	MG6411	0.00000	

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REPORT OF DUPLICATE DATA

Log # 94110384

Analyte	Analysis Type	Initial Result	Dup. Result	Range %	UCL	UWL	LCL	Batch#	Date of Analysis	P/F
Antimony	Sb6010	0.9234	0.9540	3.2617	30.	0.	0.	133	11/30/94	PASS
Arsenic	As6010	0.9482	0.9808	3.385	30.	0.	0.	136	11/30/94	PASS
Molybdenum	Mo6010	0.9924	1.0003	0.7828	30.	0.	0.	135	11/30/94	PASS
Thallium	Tl6010	1.0545	0.9312	12.416	30.	0.	0.	134	11/30/94	PASS

Analyst Signature: _____ Date: 12/6/94

Reviewed by: _____ Date: _____

BNA01409158

HDMSe00438285

REPORT OF SPIKE DATA **Log # 94110384**

Analyte	Analysis Type	Initial Result	Spike Result	Spike Level	Percent Recovery	UCL	LCL	Batch#	Date of Analysis	P/F
Antimony	Sb6010	0.0121	0.9387	1.	92.658	127.2	66.21	400	11/30/94	PASS
Arsenic	As6010	0.	0.9645	1.	96.454	119.8	72.52	392	11/30/94	PASS
Molybdenum	Mo6010	0.	0.9963	1.	99.638	130.	70.	435	11/30/94	PASS
Thallium	Tl6010	0.	0.9929	1.	99.29	130.	70.	495	11/30/94	PASS

Analyst Signature: _____ Date: 12/6/94

Reviewed by: _____ Date: _____

BNA01409159

HDMSe00438286

MERCURY, METHOD 7470 FOR WATER & WASTEWATER

Calibration Log# =	940116				
Calibration Stock Standard Log# =	94050864	990	mg/L		
External Stock Standard Log# =	94080183	1000	mg/L		
HNO3 # =	9546		K2S2O8 # =	940114	
H2SO4 # =	9681		Hydrox. HCl # =	940122	
KMnO4 # =	940099		SnCl2 # =	940074	

1) Spike and Duplicate must be performed on same sample.
2) Intermediate Standard - Place 1.00 ml conc. HNO3 in 50 ml H2O (in 100 ml vol. flask), add 100 ul Stock Std, and fill to mark.
3) Ext. Intermediate Standard - Place 1.00 ml conc. HNO3 in 50 ml H2O (in 100 ml vol. flask) add 100 ul External Stock Std, and fill to mark.

CALIBRATION DATA

Description	ml	ml Water	Mercury	Abs.	Line Equation	Data
Blank	0	100	0.00	0.001	0.02895	0.00172
0.2 ug/L std	0.02	100	0.20	0.007	0.00018	0.00077
0.5 ug/L std.	0.05	100	0.50	0.016	0.99981	0.00160
1.0 ug/L std	0.10	100	0.99	0.033	25749.7	5.00000
2.0 ug/L std	0.20	100	1.98	0.057	0.06599	0.00001
5.0 ug/L std	0.50	100	4.95	0.146		
10.0 ug/L std	1.00	100	9.90	0.288		
20.0 ug/L std	2.00	100	19.80	0.503	NOT USED FOR LINE.	

Description/ Log Number	ml Sample	ml Water	Abs.	ug/L Mercury	REPORT mg/L		
Blank	0.000	100.000	0.006	0.148	ND < 0.0002		
5.0 ug/L QC Ext Std	0.500	99.500	0.153	5.225	0.0052255	104.51%	RECOVERY
94110227	100.0	0.0	0.039	1.288	0.0012877		
94110231	100.0	0.0	0.003	0.044	ND < 0.0002		
94110243	100.0	0.0	0.003	0.044	ND < 0.0002		
94110250	100.0	0.0	0.002	0.010	ND < 0.0002		
94110250ms	100.0	0.0	0.149	5.087	0.0050873	101.55%	AVE (ug/L)
94110250MSD	100.0	0.0	0.154	5.260	0.00526	105.01%	RECOVERY
[redacted]	100.0	0.0	0.525	18.075	[redacted]		
94110332	1.0	99.0	0.002	0.967	ND < 0.02		
94110332	10.0	90.0	0.007	1.824	ND < 0.002		
Blank	0.0	100.0	0.005	0.113	ND < 0.0002		
5.0 ug/L QC Ext Std	0.500	99.5	0.132	4.500	0.0045001		
DIG. BLK.	0.0	100.0	0.004	0.079	ND < 0.0002		
DIG. BLK. SPK.	0.500	99.5	0.139	4.742	0.0047419	95.80%	RECOVERY

Performed by: A. L. Spinella Date: ~~11/8/94~~ 12/1/94

Checked by: Date:

Printed PQL w/ 94110250

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